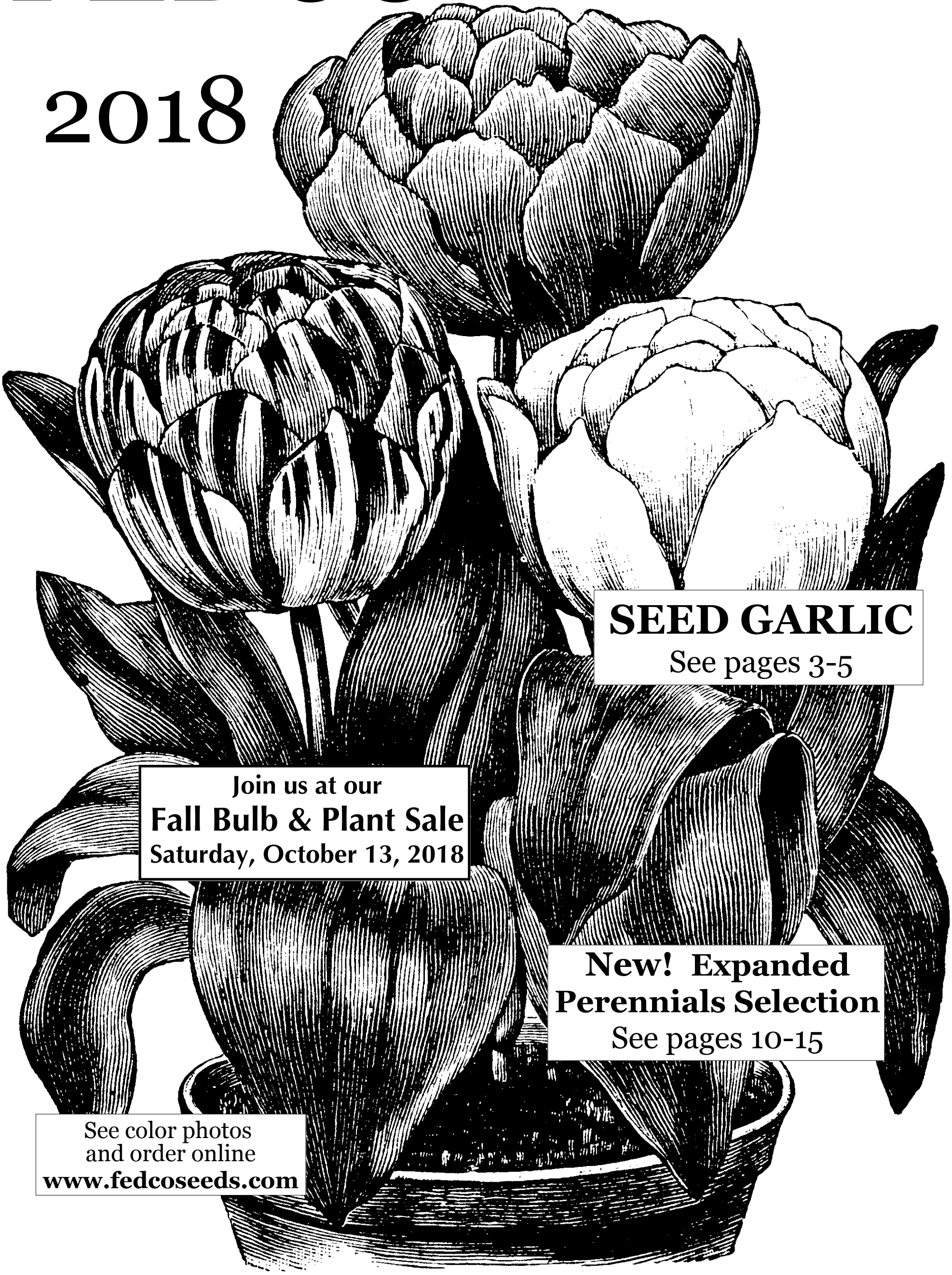
FEDCO

2018



SEED GARLIC
See pages 3-5

Join us at our
Fall Bulb & Plant Sale
Saturday, October 13, 2018

New! Expanded Perennials Selection
See pages 10-15

See color photos
and order online
www.fedcoseeds.com

BULBS & PLANTS for FALL

Welcome to our 34th offering of quality flowerbulbs and seed garlic, and to our cooperative's 41st year. Transitions are happening all around us.

This spring has been an excellent season to see the results of last year's planning and planting. Garlic is green and growing, and spring flowers are blooming all around as I write in late May.

NEW! for 2018: an expanded selection of perennial plants including astilbe, fumewort, hostas, Virginia bluebell and trillium; and a Late Shipment period to accomodate amaryllis and sunchokes.

This year's list includes 25 locally grown varieties—including garlic, sunchokes, peonies and colchicum—plus over 45 **NEW!** or **BACK!** items.

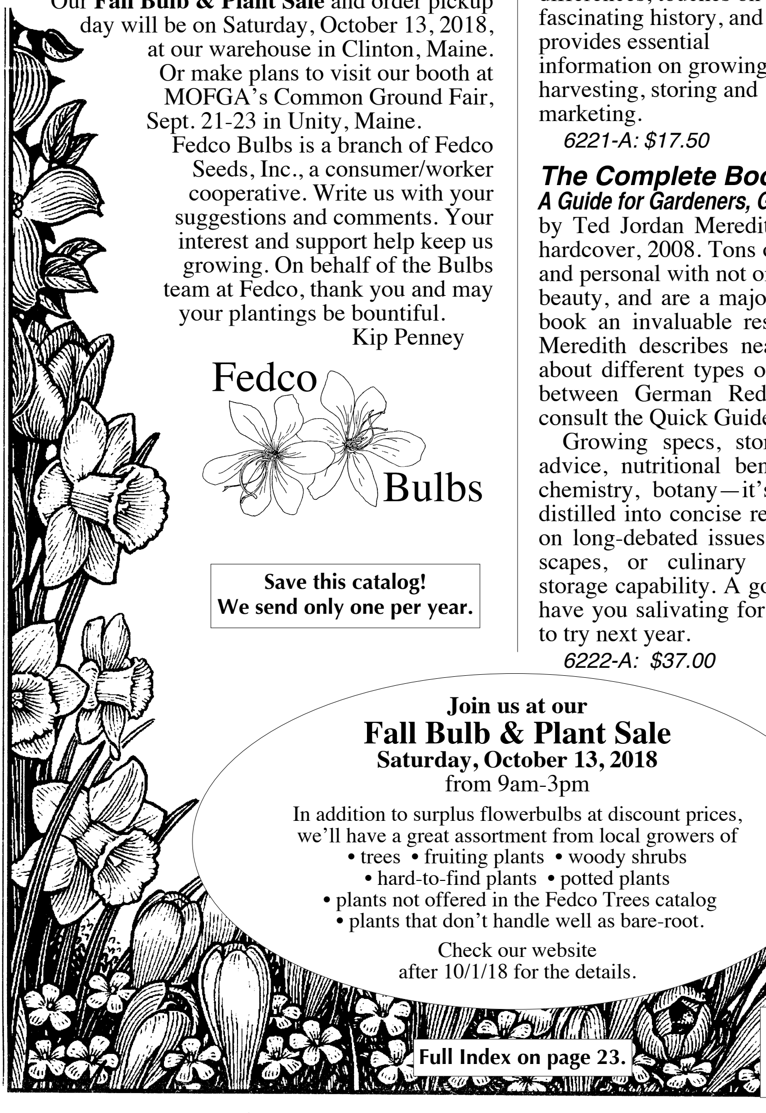
Our **Fall Bulb & Plant Sale** and order pickup day will be on Saturday, October 13, 2018, at our warehouse in Clinton, Maine. Or make plans to visit our booth at MOFGA's Common Ground Fair, Sept. 21-23 in Unity, Maine.

Fedco Bulbs is a branch of Fedco Seeds, Inc., a consumer/worker cooperative. Write us with your suggestions and comments. Your interest and support help keep us growing. On behalf of the Bulbs team at Fedco, thank you and may your plantings be bountiful.

Kip Penney

Fedco Bulbs

Save this catalog!
We send only one per year.



Books about Garlic

Growing Great Garlic:
The Definitive Guide for Organic Gardeners and Small Farmers

by Ron L. Engeland, 213 pages, 6x9, softcover, 1991. If garlic is one of your passions, you'll enjoy this book. From an expert who has grown and sold over 100 strains, Engeland's excellent guide to growing garlic has become a classic. Discusses varietal differences, touches on fascinating history, and provides essential information on growing, harvesting, storing and marketing.

6221-A: $17.50

The Complete Book of Garlic
A Guide for Gardeners, Growers and Serious Cooks

by Ted Jordan Meredith, 330 pages, 8¼x10¼, hardcover, 2008. Tons of photos get you up close and personal with not only the botany but also the beauty, and are a major part of what makes this book an invaluable resource for the garlic fan. Meredith describes nearly 150 cultivars. Learn about different types of garlic, or the difference between German Red and Russian Red—or consult the Quick Guides for the basics.

Growing specs, storage conditions, culinary advice, nutritional benefits, history, taxonomy, chemistry, botany—it's all here, with research distilled into concise recommendations. Focus in on long-debated issues such as when to harvest scapes, or culinary tenderness against bulb storage capability. A good winter's read that will have you salivating for new varieties or methods to try next year.

6222-A: $37.00

Join us at our
Fall Bulb & Plant Sale
Saturday, October 13, 2018
from 9am-3pm

In addition to surplus flowerbulbs at discount prices, we'll have a great assortment from local growers of
- trees
- fruiting plants
- woody shrubs
- hard-to-find plants
- potted plants
- plants not offered in the Fedco Trees catalog
- plants that don't handle well as bare-root.

Check our website after 10/1/18 for the details.

See page 24 for complete ordering information.

Full Index on page 23.

Planting guides and charts:
see page 10 for Perennials
see page 33 for Bulbs

Seed Garlic *Allium sativum*

The bulb size, the skin color, the flavor, and the size and number of cloves are partly determined by genetics, and partly by soil and weather. Our standard for a seed garlic bulb is a minimum 2" diameter.

Artichoke Garlic

Softneck type, produces a bulb with two or more rings of cloves and a braidable top. Z4-9.

Inchelium Red - Usually forms two rings of cloves, 2-3 inner cloves and 6-7 outer cloves, but can make a very large bulb with 4-5 rings. Inner cloves not as tiny as in supermarket garlics. White paper with reddish-purple markings. Very good flavor, but not intense; excellent raw. Decent keeper, with good yields and good bolt-resistance. Originally from Inchelium (in-CHEE-lee-um), Washington. 50-60 cloves per pound. **Eco-grown, Maine Grown.**

6224-A: 3 bulbs for $14.00 6224-B: 2# for $46.00
6224-C: 5# for $95.00

Softneck garlic produces multiple rings of cloves with a soft braidable top. Softneck types have mostly lost the ability to produce a stalk with flowering parts—but sometimes they bolt and produce extra "cloves" in the stem.

Hardneck garlic forms a hard stalk in the center of the bulb, and (the vast majority of the time) only one ring of cloves. Not braidable, but can be tied and hung in attractive bundles.

More work to handle as that hard stalk makes a flower-like scape which should be cut off before it uncurls in order to get the best bulb size. Not easy on a commercial scale, but on a smaller scale it's not much work, plus fresh scapes can be used in salads, stir-fries, pickles, pesto!

If you leave the scape on, the bulb will likely be smaller, but you get a scape full of bulbils which you can eat, or plant in autumn for greens for next spring or leave for two years for full-sized bulbs.

Hardnecks are closer to wild garlic, and have a greater range of character and a more complex flavor than softnecks. Much hardier as well, hardnecks are recommended for cold climates.

Porcelain Garlic

These hardneck types produce 3-6 very large cloves with tight porcelain-white skins. Excellent storage. Huge cloves are wonderful in the kitchen (some will need cutting to fit into a garlic press!) and perfect for production pesto-making or baking whole. Slower propagation than other hardnecks; 20-35 cloves per pound. Scapes form arches, curls and loose coils. Z3-8.

Georgian Crystal - This fine Porcelain type is sure to please those who desire large cloves. Similar in flavor to German Extra-Hardy or Music. When eaten raw, a bit less bite than Georgian Fire. Stores well into winter. **Eco-grown, Maine Grown.**

6225-A: 3 bulbs for $14.00 6225-B: 2# for $46.00
6225-C: 5# for $95.00

Georgian Fire - **Organic** - We love this fiery Porcelain, with more bite than Georgian Crystal. Its pungent taste is loved by garlic aficionados and, finely chopped, is excellent for heating up salsas and sauces. Sizable bulbs with blushed inner skins store well. **Maine Grown. MOFGA-certified organic.**

6226-A: 3 bulbs for $13.50 6226-B: 2# for $45.00
6226-C: 5# for $92.00 6226-D: 20# for $290.00

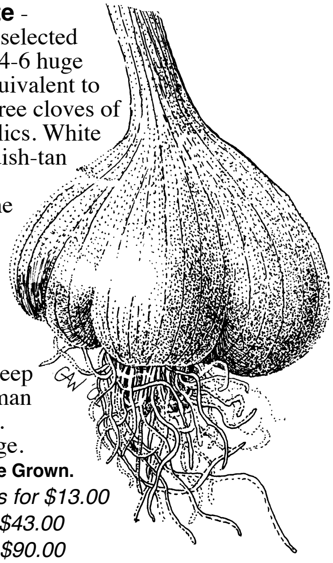
German Extra-Hardy - Selected for size. Big Porcelain bulbs typically yield four huge cloves; range is 3-5. White outer skin, rusty reddish-tan clove skins. Hardy plants, hearty flavor, excellent storage. May be the same as German Stiffneck and/or German White. All lots **Maine Grown.**

German Extra-Hardy - MOFGA-certified organic

6227-A: 3 bulbs for $14.00 6227-B: 2# for $46.00
6227-C: 5# for $95.00 6227-D: 20# for $295.00

German Extra-Hardy - Eco-grown

6228-A: 3 bulbs for $14.00 6228-B: 2# for $46.00
6228-C: 5# for $95.00 6228-D: 20# for $295.00



German White - This hardneck, selected for size, yields 4-6 huge cloves, each equivalent to about two or three cloves of many other garlics. White outer skin, reddish-tan clove skins. According to the USDA, it's genetically identical to German Extra Hardy, but customers and growers alike keep asking for German White by name. Excellent storage. **Eco-grown, Maine Grown.**

6229-A: 3 bulbs for $13.00
6229-B: 2# for $43.00
6229-C: 5# for $90.00

Music - Similar to German Extra-Hardy, with large succulent cloves. Al Music brought this Porcelain variety from Italy to Ontario in the 1980s, where it became known as a very good cold-climate variety. All lots **Maine Grown.**

6230-A: 3 bulbs for $14.00 6230-B: 2# for $46.00

Music - MOFGA-certified organic

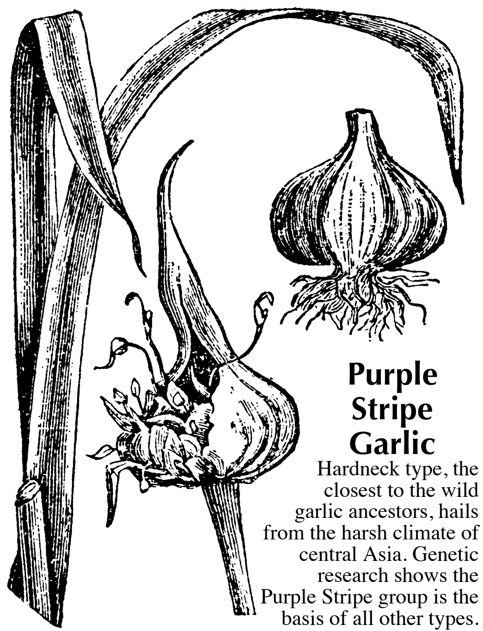
6230-A: 3 bulbs for $14.00 6230-B: 2# for $46.00
6230-C: 5# for $95.00 6230-D: 20# for $295.00

Music - Eco-grown BACK!

6231-A: 3 bulbs for $12.50 6231-B: 2# for $40.00

We use the term "Eco-grown" to indicate crops grown without the use of chemical pesticides, fungicides, herbicides or fertilizers. Growers use organic practices, but for various reasons do not choose to pursue certification.

more garlic, next page



Purple Stripe Garlic

Hardneck type, the closest to the wild garlic ancestors, hails from the harsh climate of central Asia. Genetic research shows the Purple Stripe group is the basis of all other types. Tightly wrapped cloves with long tips, 8–14 per bulb. Both bulbs and cloves are vividly purple striped. Cloves form a single layer around the hard center stalk, though very large bulbs may have inner cloves. Scapes coil vigorously. 50–60 cloves per pound.

Chesnok Red - Also known as Shvelisi, the name of the village in the Republic of Georgia where it was collected in the ’80s. Excellent for baking, though the flavor is also perfect either chopped into a stir-fry or raw in a vinaigrette. **Eco-grown, Maine Grown.**

6232-A: 3 bulbs for $13.00 6232-B: 2# for $43.00
6232-C: 5# for $95.00

Duganskij - Originally from Kazakhstan, late-maturing Duganskij (dew-GAN-skee) grows 6-8 generously sized cloves per bulb. Its flavor reaches its peak in mid-late winter at the time when its tight skins become easier to peel. Our grower in northern Maine says Duganskij “stores well for us in cold storage into May.” **Eco-grown, Maine Grown.**

6233-A: 3 bulbs for $12.50 6233-B: 2# for $40.00

Marbled Purple Stripe Garlic

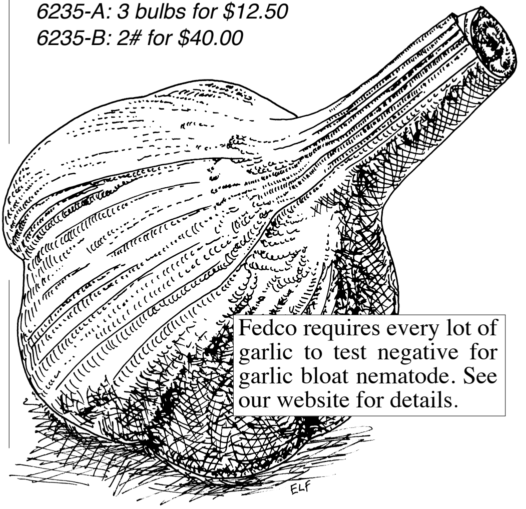
Mottled purple striping on the skins of both clove and bulb. The leaves tend to be broader and bulbs tend to have fewer cloves than Purple Stripe varieties, though the cloves are often larger and more squat in appearance. This hardneck group produces bulbs that store well and are excellent for roasting. Scapes curl and coil dramatically. 30–50 cloves/ lb.

Bogatyr - Large to very large squat bulbs, with streaked skins and a single ring of 4-6 large cloves per bulb. They sometimes produce throat-sets (bulbils in the stem), a characteristic more often seen in softnecks. Bogatyrs are heroic warriors in Russian epic poetry, some based on historical figures and others on shape-shifters. Originally hailing from the Moscow area, Bogatyr may be the hero your garlic program has been looking for. **Eco-grown, Maine Grown.**

6234-A: 3 bulbs for $15.00 6234-B: 2# for $48.00
6234-C: 5# for $98.00

Giant Turkish Red - Robust full-bodied garlic flavor and excellent storage qualities make Giant Turkish appealing. Each bulb produces 6-9 marbled, mottled purple striped cloves. Matures in the last week of July in northern Maine, which is sure to be of interest to northern growers. **Eco-grown, Maine Grown.**

6235-A: 3 bulbs for $12.50
6235-B: 2# for $40.00



Fedco requires every lot of garlic to test negative for garlic bloat nematode. See our website for details.

Basics of Growing Garlic: feed ’em, weed ’em, and give ’em space

Prepare a nitrogen-rich well-groomed seedbed.

Three to four weeks before the ground freezes, break the bulb into cloves and plant them pointed side up about 3" deep, and 6–10" apart. Mulch with 4-6" of hay, leaves or straw. Some folks skip the mulch, but they plant 4–6" deep.

Garlic is a heavy feeder, and giving more nutrients and more space between cloves generally yields larger bulbs.

* * *

In spring, move the mulch to free any struggling spears, then replace it to keep even moisture and to help prevent weeds.

Cut off the “flower” stalks from hardnecks before they uncurl and stand up. Left on, your harvested bulbs will be markedly smaller.

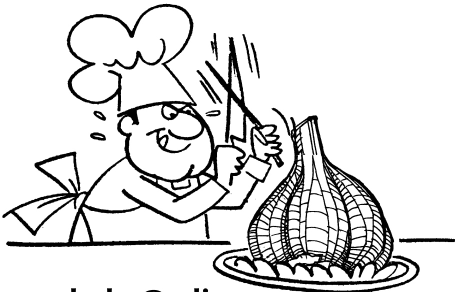
Maintain even moisture levels during the season. Allow the soil to dry beginning about a week before harvest.

Check growth when bottom leaves are yellow and 5–6 leaves are still green, late July to early August; harvest before cloves begin to separate. Use a fork to loosen the soil and lift gently.

Tie and hang to cure in a well-ventilated place, protected from both sun and rain, until dry. Do not field-cure. Softneck types may be braided after curing.

Trim roots, trim tops to within 1" of the bulb, clean, store in a cool dry place, enjoy.

Visit fedcoseeds.com to read **Details of Growing Garlic** and **Blue-Ribbon Garlic Growing Tips.**



Rocambole Garlic

Hardneck type produces 5-13 medium-large cloves with tan, brown or reddish skins, slightly loose and relatively easy-peeling. A shorter shelf life than Porcelain types, maybe because the clove skins are looser, maybe because of a slight tendency to split cloves. Generally, stores well through February, and if really cured well, can store months longer. Some claim Rocamboles have the finest, richest flavor. Scapes form tight coils. Z3-8.

German Red - **Organic** - Has red-burgundy wrapper layers and light brown clove skins. 6-12 cloves per bulb, with double cloves common. Stores well up to six months or longer. Said to be a medieval strain of garlic brought to North America in the 1700s. 40-70 cloves/lb. **OEFFA-certified organic.**

6236-A: 3 bulbs for $14.00 6236-B: 2# for $46.00
6236-C: 5# for $95.00 6236-D: 20# for $295.00

Italian Easy Peel - The name says it all—originally from northern Italy, with 6–9 easy-peeling cloves. Strong rich flavor, with plenty of garlicky-ness yet no hot spicy burn. Large uniform bulbs have rounded tops and thick wrapper papers with attractive touches of purple. Stored well for our grower in northern Maine—right into May! **Eco-grown, Maine Grown. NEW!**

6237-A: 3 bulbs for $14.00 6237-B: 2# for $46.00
6237-C: 5# for $95.00

Phillips - Each bulb contains 6-12 medium-to-large cloves with a milder flavor than Russian Red. The tan exterior skins and purple mottled clove coverings are more substantial than most Rocamboles; an excellent keeper. Slow to emerge in spring, so don't be alarmed when these take an extra two weeks to appear. They catch up quickly and mature around the same time as other varieties. Originally obtained from Raymond Rowe of Phillips, Maine. 55-65 cloves/lb. **Eco-grown, Maine Grown.**

6238-A: 3 bulbs for $15.00 6238-B: 2# for $49.00
6238-C: 5# for $98.00 6238-D: 20# for $295.00

Russian Red - Named for its mottled burgundy skin, said to have been brought to the Pacific Northwest by Russian immigrants in the early 1900s. Forms a ring of 5-8 large plump cloves around a central stalk. Keeps well for over six months. "Delicious garlic flavor with no bitter aftertaste," says RR grower and garlic aficionado M. Coffin. 50-60 cloves/lb. All lots **Maine Grown.**

Russian Red - MOFGA-certified organic

6239-A: 3 bulbs for $14.00 6239-B: 2# for $46.00
6239-C: 5# for $95.00 6239-D: 20# for $295.00

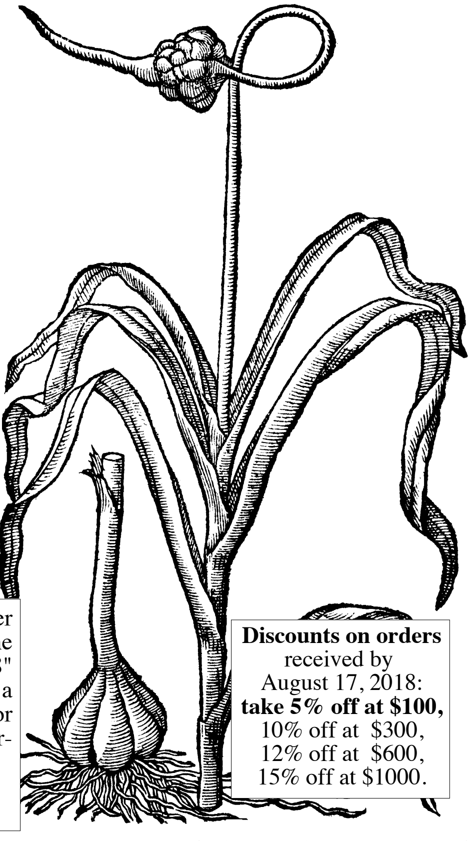
Russian Red - Eco-grown

6240-A: 3 bulbs for $14.00 6240-B: 2# for $46.00
6240-C: 5# for $95.00 6240-D: 20# for $295.00

Garlic Sampler

Not sure what type of garlic to grow? Overwhelmed by the choices? Try our sampler: three bulbs each of four varieties, each from a different class of garlic. You'll get a Softneck, a Porcelain, a Marbled Purple Stripe and a Rocambole. Our choice of varieties, 12 bulbs individually packed and labeled by name; approximately two pounds total. All acclimated to our short growing season, and **Maine Grown**.

6241-A: 1 for $41.00 6241-B: 2 for $78.00



Discounts on orders
received by
August 17, 2018:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

Mesh Garlic Bags - Red poly mesh with a fold-over stitch-sealed "Fresh Produce" label on one end of the 24" long bag. Fill from other end—will stretch to 8" diameter—then tie off. Write on the label or put a sticker over it. Holds up to 10 pounds of garlic or onions in an air-flow–friendly bag for curing or storing, or a convenient packaging for markets.

6223-A: 10 for $4.25 6223-B: 25 for $9.50
6223-C: 50 for $16.50 6223-D: 250 for $60.00

Walking Onions *Allium* x *proliferum*

Organic - Also called **Top-setting Onions, Tree Onions** or **Egyptian Walking Onions**.

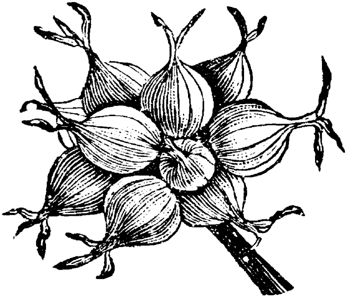
With a number of harvest options, these make an excellent addition to any permaculture garden. Edible topset bulbils form in place of flowers; individual bulbils range 1/4-1/2" in diameter and form a clump 2-2 1/2" across.

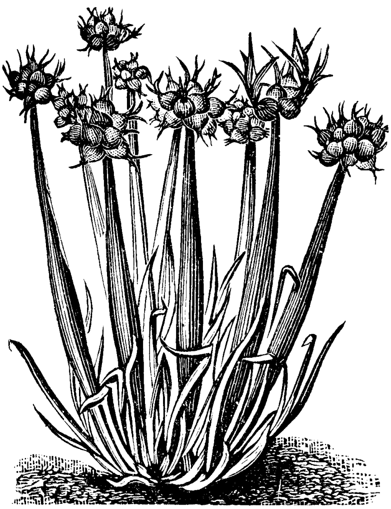
In spring, harvest young bulbs and greens to use like scallions. In summer, snip off bulbils, or dig bulbs (3/8-1" across) to use like onions or garlic.

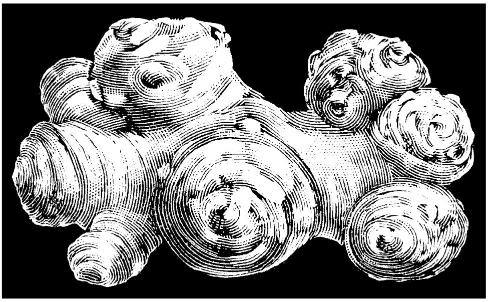
If you leave them on the plant until their weight bends the stalk to the ground, the bulbils plant themselves, “walking” to the next planting spot. Or, save bulbils in a cool, dark and airy place and plant them either just before the ground freezes or the following spring.

Plant bulbils 1-2" deep, 4-6" apart in rows 10-12" apart in well-prepared soil. Depending on your harvest style, by the second summer after initial planting, they can become perennial and self sowing. Approximately 5 large bulbils per ounce, 70-90 bulbils per pound. Z3-8. 18-24". **Iowa DALS-certified organic. BACK!**

6242-A: 5 bulbils for $4.70
6242-B: 10 bulbils for $7.90
6242-C: 25 bulbils for $18.00
6242-D: 100 bulbils for $69.00







Sunchokes *Helianthus tuberosus*

Also known as **Jerusalem Artichokes**, these vigorous native perennial tubers with a taste and texture like water chestnuts. Dig in the fall and store for winter in tight containers to conserve moisture, or dig in the spring as an early fresh vegetable. Also an annual ornamental hedge with its 6–8' foliage topped with golden flowers more daisy-like than sunflower.

We will ship sunchokes in late October. Not available for pickup.

Sunchokes are in the same plant family as artichokes but the same genus as sunflowers. Jerusalem is thought to be a corruption of *girasole*, the Italian word for sunflower; or perhaps early settlers to New England celebrated their “new Jerusalem” with this native wild food.

Plant whole or cut into pieces with 1-2 eyes. Plant 3-4" deep, 12-18" apart. One pound contains approximately 5 tubers, potentially cut into 18-20 pieces. *Caution*: plant sunchokes in an area that is easy to control; they will spread and are rather difficult to eradicate.

We sold some last October at the 2107 Fedco Fall Bulb and Plant Sale and the ones we planted sized up to about a half pound. As I write in mid May, test-dug chokes are about 3" long and 1 1/2" across. Depending on the growing season and when you harvest, tubers can reach 6" long, 3" across and up to a pound.

Skorospelka - The product of a Soviet-era breeding program, Skorospelka produces a compact set of smooth tubers. Known locally as **Red and Tan**, each plant yields a fair number of tubers with reddish skin and, especially on young tubers, tan splotches. The considerable size of the blunt-ended tubers accounts for the excellent overall yield, while the relatively knob-free shape is popular with cooks. **Eco-grown, Maine Grown. NEW!**

Z6901-A: 1# for $12.00 *Z6901-B: 3# for $31.00*

Plant Type	Distance Apart	Planting Depth
GARLIC	6-10"	3-6"
WALKING ONIONS	4-6"	1-2"
SUNCHOKES	12-14"	3-4"

Planting Depth is the approximate amount of soil above the top of the plant stock.
Use deeper depths for colder areas and in sandy soils.

Amaryllis - *Hippeastrum*

Originally from Central and South America and grows outdoors in Zones 9-10. We in frostier climes plant these easy-to-grow hybrid marvels indoors and enjoy blooms through the winter. Remove the pollen-bearing anthers for a longer bloom time and a neater tabletop. With simple care and proper soil nutrients, amaryllis can return year after year. Planting and care instructions come with your order; you can also view them online.

We will ship amaryllis in late October. Not available for pickup.

Amaryllis bulbs generally produce two or more flower stalks, each bearing 3-4 blooms.

Jumbo Amaryllis

Jumbo bulbs produce graceful 6-8" blooms. Bulbs from Peru tend to bloom earlier than those from Holland.

'Apple Blossom' - A classically graceful pastel beauty. White lightly brushed with streaks of pink. 18-20" tall. 30-32cm bulbs.

Z6902-A: 1 for $16.25 *Z6902-B: 2 for $29.50*
Z6902-C: 3 for $46.00 *Z6902-D: 6 for $76.00*

'Bolero' - Bright deep rosy pink, almost a hot pink. Backs of petals show a lighter pink with creamy highlights. 20-24" tall. 36-38cm bulbs from Peru. **NEW!**

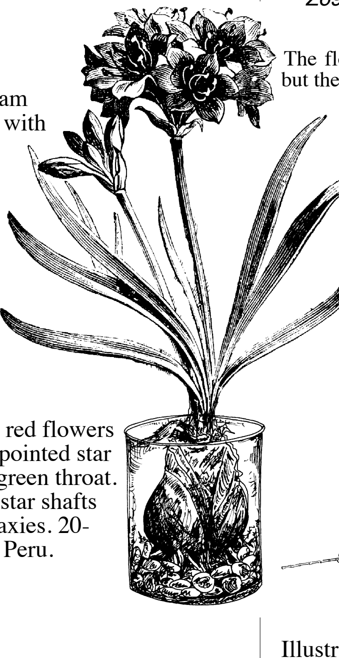
Z6903-A: 1 for $14.50 *Z6903-B: 2 for $25.50*
Z6903-C: 3 for $37.00 *Z6903-D: 6 for $69.00*

'Denver' - Brilliant gleaming white petals, with highly reflexed tips, and a green throat. 20-24". 36-38cm bulbs from Peru.

Z6904-A: 1 for $14.50
Z6904-B: 2 for $25.50
Z6904-C: 3 for $37.00
Z6904-D: 6 for $69.00

'Lemon Star' - Pale cream 4-4$^{1}/_{2}$" petals are touched with pale green, surrounding a lime-green throat. More like soft electric green than lemon, but a welcome color nevertheless. 20-24" tall. 30-32cm. **NEW!**

Z6905-A: 1 for $16.25
Z6905-B: 2 for $29.50
Z6905-C: 3 for $46.00
Z6905-D: 6 for $76.00



'Minerva' - Large bright red flowers with a brilliant white six-pointed star emanating from the pale green throat. White striations between star shafts add a sense of distant galaxies. 20-24". 36-38cm bulbs from Peru. **NEW!**

Z6906-A: 1 for $14.50
Z6906-B: 2 for $25.50
Z6906-C: 3 for $37.00
Z6906-D: 6 for $69.00

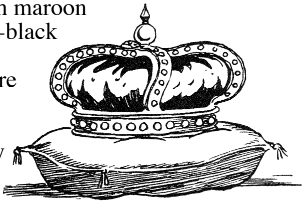
'Orange Souvereign' - Large tangerine-orange flowers with intense color saturation. 24-28". 36-38cm bulbs from Peru.

Z6907-A: 1 for $14.50 *Z6907-B: 2 for $25.50*
Z6907-C: 3 for $37.00 *Z6907-D: 6 for $69.00*

'Red Lion' - Big, bold and bright. The classic red amaryllis. 20-22". 30-32cm bulbs from Peru.

Z6908-A: 1 for $14.00 *Z6908-B: 2 for $25.00*
Z6908-C: 3 for $36.00 *Z6908-D: 6 for $66.00*

'Royal Velvet' - Richly saturated deep red flower touched with maroon with a velvety near-black center. Staff and customers alike were wowed in our warehouse by its glistening yet sultry blooms. 20-25". 28-30cm.



Z6909-A: 1 for $16.25 *Z6909-B: 2 for $29.50*
Z6909-C: 3 for $46.00 *Z6909-D: 6 for $76.00*

Double Amaryllis

Doubled petals provide a rich lush appearance in a 6-8" bloom. Large flowers can be top-heavy; use a heavy-weight pot to maintain stability, or plant slightly deeper.

'Double King' - Bright crimson-red double blooms. Full of petals, flowers can reach 8" across. Superb. 20-24". 36-38cm bulbs from Peru. **NEW!**

Z6910-A: 1 for $16.25 *Z6910-B: 2 for $29.50*
Z6910-C: 3 for $46.00 *Z6910-D: 6 for $76.00*

Miniature Amaryllis

The flower stalks are nearly as tall as other amaryllis, but the flowers are more delicate. Also less tippy!

'La Paz' - Spider-type with slender 5" petals. Upper petals dusky red and burgundy-streaked rose, with touches of light green. Lower petals pale green with red spots and streaks. Long luminous pale green anthers. Parentage includes Bolivian *H. cybister*. 18-24". 24-26cm.

Z6911-A: 1 for $15.00
Z6911-B: 2 for $26.50
Z6911-C: 3 for $38.00
Z6911-D: 6 for $70.00

Amaryllis Vase

Cylinder Vase - Clear cylindrical glass vase, 5" diameter and 6" tall, will hold the largest amaryllis or three paperwhites. Fill the bottom inch or two with soil or decorative glass or stones to create root space. Low center of gravity helps prevent tipping. Hand-blown in Mexico. Illustrated here, with a photo on our website.

6251-A: 1 for $8.50 *6251-B: 2 for $16.00*

Paperwhites - *Narcissus tazetta*

Tall slender stems bear masses of fragrant delicate flowers. Must be grown indoors in Zones 1-6. 'Ziva' is ready to grow, requiring no cold period; all others will bloom more reliably if allowed to start in a cool place.

The longer you store paperwhite bulbs, the more quickly they bloom. October plantings usually bloom in 4-6 weeks; February plantings as little as 2-3 weeks.

Plant in pebbles or marbles, keeping bulbs above the waterline, or plant in soil for longer-lasting flowers. Group 5-8 bulbs in a container 6" in diameter for a full appearance. Allow to root in a cool (45-60°) dry dark place, for about 3 weeks, checking water level often. Some plantings may need staking to support heavy flower heads.

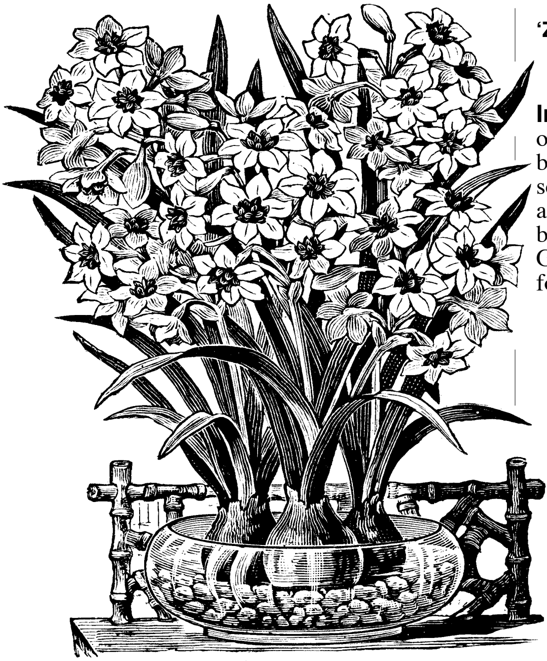
Research from Cornell shows that adding some alcohol after the shoots are 1-2" tall stunts their growth slightly, enough to prevent top-heavy tippiness, but not stunt their flowering. See www.hort.cornell.edu/miller/bulb/Pickling_your_Paperwhites.pdf for more info.

'Chinese Sacred Lily' - *N. t.* var. *orientalis* - White petals with a golden yellow cup. Takes longer to root than other varieties and has fewer flowers, but its enchanting sweet fragrance is worth it. Having them blooming on the first day of the Chinese lunar new year is said to be auspicious. 16-20", 15-16cm.

6252-A: 5 for $7.25   6252-B: 10 for $12.00
6252-C: 25 for $27.50   6252-D: 100 for $95.00

Indoor Bulbs lift our spirits during long northern winters. More wholly satisfying than cut flowers because we get to watch as the foliage grows. Enjoy the anticipation as the flower stalks reach up, the buds emerge, swell and finally burst open.

Many people stagger their planting times to prolong the season. If you don't plant the bulbs right away, store them in a cool dry dark place—but don't lose track of them or you may find them climbing out of their bags.



'Earlicheer' - Creamy white with a highly doubled center flecked with yellow. Reminiscent of 'Cheerfulness' both in appearance and fragrance, and prounounced *Early Cheer*. As many as 20 florets per stem. We once dropped 'Earlicheer' because some folks said it didn't bloom; we listed it again because other folks said they were *lovely* and wouldn't we please bring them back. Root them at the colder end of cool (45–50°) for best performance. 12-14". 15-16cm. **BACK!**

6253-A: 5 for $7.25   6253-B: 10 for $12.00
6253-C: 25 for $27.50   6253-D: 100 for $95.00

'Grand Soleil d'Or' - French heirloom "Great Golden Sun" has medium golden-yellow petals and an orange cup. Light fruity scent. Takes a couple of weeks longer than 'Ziva' to bloom, about 4-6 weeks. 12-14", 15-16cm.

6254-A: 5 for $7.25   6254-B: 10 for $12.00
6254-C: 25 for $27.50   6254-D: 100 for $95.00

'Nir' - All-white blooms with a more moderate fragrance than 'Ziva', and slightly larger florets. Produces more stems per bulb than other types, and will hold longer than 'Ziva' for your late plantings. 14-16". Jumbo 19cm/up bulbs.

6255-A: 5 for $8.00   6255-B: 10 for $12.75
6255-C: 25 for $29.40   6255-D: 100 for $108.00

'Ziva' - White flowers bloom early with strong musky spicy fragrance. Has the most flowers per stem, and is one of the quickest to bloom, about 2-3 weeks, once planted. If you don't plant until late winter, you'll find them growing in storage! 16-18".

'Ziva' - Jumbo bulbs, 17-18cm.

6256-A: 5 for $7.75   6256-B: 10 for $12.40
6256-C: 25 for $28.50   6256-D: 100 for $99.00

'Ziva' - Topsize bulbs, 16-17cm.

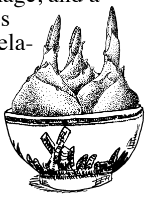
6257-A: 5 for $7.25   6257-B: 10 for $12.00
6257-C: 25 for $27.50   6257-D: 100 for $95.00

Indoor Narcissus Collection - A collection of indoor narcissus gives you a chance to try five bulbs each of five different floriferous paperwhite selections. Our choice of varieties, all individually packed and labeled by name. Included may be Chinese Sacred Lily, Grand Soleil d'Or, Inbal, Galilea, Wintersun, Erlicheer or Ziva. Excellent for holiday gifts. 25 bulbs, 12-18", 14-16cm.

6258-A: 1 for $27.00   6258-B: 2 for $51.00
6258-C: 3 for $73.00

Paperwhite Kit - Decorative boxed kit includes three 'Ziva' paperwhite bulbs, a 5"-round, 3"-tall white ceramic bowl imprinted with a classic blue windmill image, and a bag of gravel to help keep bulbs upright. More gifts for all the relatives! 14-15cm bulbs. **NEW!**

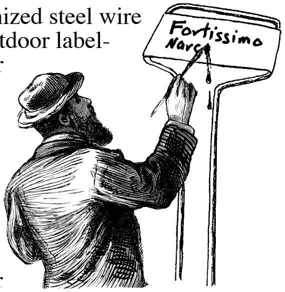
6259-A: 1 for $14.50
6259-B: 2 for $25.50
6259-C: 3 for $36.50
6259-D: 6 for $65.00



Supplies & Tools

Bulb Fertilizer - (3-2-2.5) Our own blend of slow-release fertilizers plus trace minerals: non-GMO soybean meal, Calphos phosphate, organic alfalfa meal, sulfate of potash and kelp meal. No animal by-products. Use 1-2 tsp per bulb mixed into loosened soil below planting depth, or 5# per 40-50 sq. ft. as a topdressing after planting and again each spring. Also sold by OGS as Vegemighty. Permitted by MOFGA on certified-organic farms.

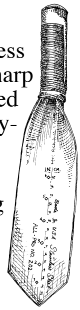
6263-A: 5# for $7.00 *6263-B: 10# for $13.50*
6263-C: 20# for $25.00 *6263-D: 50# for $49.00*



Plant Markers - Zinc-coated nameplates on galvanized steel wire provide long-term outdoor labeling. Cap-style marker is 10½" tall with a ⅞x2¼" nameplate, tilted slightly backward to provide easy viewing. Mark with included soft carbon pencil or with grease pencil for erasability, or with hard pencil or ball-point pen for permanent engraved label.

6264-A: 10 for $10.75 *6264-B: 25 for $19.00*
6264-C: 50 for $37.00 *6264-D: 100 for $65.00*

Wilcox All-Pro Heavy-Duty Tools
These strong one-piece tools are nearly indestructible, and will not bend, even when digging in hard soil. Forged stainless steel V-shaped blade is 3" wide, has a sharp point for cutting sod or soil, and an etched depth guide. A comfortable non-slip easy-grip plastic handle, and a leather thong for wrist or hanging. Made in Iowa.

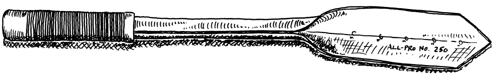


14" Digging Trowel - With its 9" long blade, this is our favorite on-your-knees garden tool and our best seller.

6265-A: 1 for $19.00
6265-B: 2 for $35.00

22" Long-handled Trowel - Same style blade as above, but the extra length between the 8" blade and the easy-to-hold handle gives you even more leverage digging in hard soil for naturalizing projects.

6266-A: 1 for $24.50 *6266-B: 2 for $46.00*



Organic Growers Supply ships orders year-round, offering work gloves, Bug Baffler clothing, more styles of plant markers, soil amendments and organic fertilizers, cover crops, season extenders, irrigation set-ups, harvest baskets, and other tools and supplies for farm, garden and orchard. **fedcoseeds.com/ogs/**

Bulb Collections

Each variety is individually packaged and labeled; all bulbs are topsize (except where noted). Planting suggestions accompany each. We reserve the right to substitute a similar variety should one become unavailable.

Blue Wave Collection - Waves of spring keep coming with this shades-of-blue collection. Plan a blue wave in your garden front to back, from shorties of crocus to tall alliums. Shades of blue begin with 10 each of crocus ‘Blue Pearl’ and ‘Flower Record’ followed soon thereafter by 10 *Scilla siberica* and 3 hyacinth ‘Delft Blue’. The tide recedes for a week or so until 10 *Muscari armeniacum* bloom, followed by 5 tulip ‘Passionale’. A later and higher tide will bring 5 tulip ‘Cum Laude’, then 10 Dutch Iris ‘Sapphire Beauty’. The last wave will display a bit of a trough in 10 shorter *Allium caeruleum* but end on a high peak with 2 *Allium giganteum*. 75 bulbs. 3"-4'. VE-ESu.

6260-A: 1 for $35.00 *6260-B: 2 for $63.00*

The Low Border - A “heralds of spring” early border, for 3-4 sq. ft, with crocus, dwarf iris, snowdrops and more. Early spring color to tuck into a corner, naturalize, or overplant in an existing bed. Ninety bulbs, ten each of: Jumbo Crocus landscape mix, Species Crocus mix, *Iris danfordiae*, *Iris reticulata* ‘Dark Blue’, *Chionodoxa forbesii*, *Eranthis*, *Galanthus woronowii*, *Puschkinia scilloides*, *Scilla siberica*. Most will slowly spread and fill in over time.

6261-A: 1 for $27.00 *6261-B: 2 for $52.00*

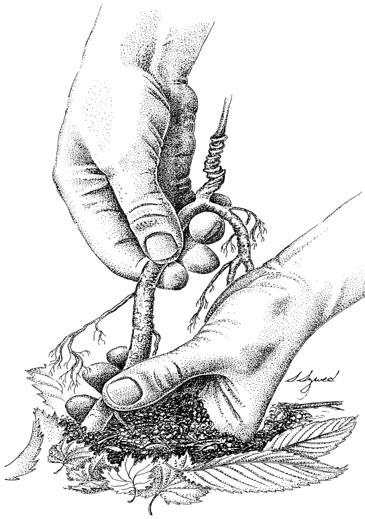
Heirloom Bulbs Collection Rack - This collection of 60 picture-sporting packages of heirloom flowerbulbs is especially suited for stores or fall fundraisers, using less than 3 sq. ft. of floor space. Some of these heirloom varieties have been in cultivation for over 500 years, others “only” since the mid-1950s. Sturdy corrugated pedestal rack includes attractive signage and 2-4 packages per variety of bulbs in packages of 3 to 20 depending on the kind of bulb. Includes daffodils, alliums, tulips, crocus, muscari, hyacinths, fritillaries, squill, anemone, wood hyacinth and summer snowflake. Rack is 48" high, 19" wide, 17" deep. 60 packages, 22 varieties, 454 bulbs total. For more info, please see fedcoseeds.com/bulbs.

6262-A: 1 for $195.00 *6262-B: 2 for $365.00*

Other collections:
Garlic Sampler, p. 5
Indoor Narcissus Collection, p. 8
Extraordinary Doubles Peony Collection, p. 13
Botanical Tulip Collection, p. 41

Perennial Plants

We've chosen these varieties not just for beds and borders, but because many can be used in woodland gardens, around trees, and other cool and shady places like we have in Maine. Plants that tolerate cool northern summers and perform well in our short summer season are invaluable.



Perennials on pp. 10-13 are in the Main Shipment, late September to early October.
Plants on pp. 14-16 are in the Early Shipment, in early September. **The final order date for Early Shipment is August 17.**

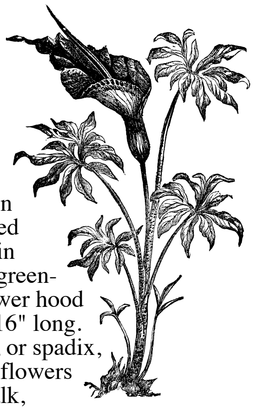
Perennials are bare root. Please open your order immediately and check that the roots are firm and pliable, neither soft nor brittle. If not planting promptly, make sure roots are moist and store stock in a cool dark place for a day or two.

Prepare your planting spots: Make the holes large enough that the roots are not crowded. Add a bit of compost, leaf mold, or a small amount of balanced fertilizer. Provide rich well-drained soil high in organic matter to hold moisture.

Plant to recommended depth and water well. Provide about 1" of water per week for a month after planting.

Arum italicum subsp. italicum **'Marmoratum'**

Italian Arum



A showy spike of berries is the final event for this three-season performer. Berries start green and turn orange then red in late summer. In spring, 10-14" arrowhead-shaped glossy green leaves with cream-colored veins emerge, followed in early summer by a pale greenish-yellow cape-like flower hood called a spathe, itself 6-16" long. The yellow flower stalk, or spadix, contains many tiny pale flowers tightly packed on the stalk, which give way to those tightly packed berries. Related to our native Jack-in-the-Pulpit; also called **Lords-and-Ladies**. Plant rhizomes 4-6" deep in well-drained rich moist soil, in full to partial shade to dappled sun. With protection, Z5-9, 12-18". 10-12cm.

6301-A: 5 for $4.80 *6301-B: 10 for $7.75*
6301-C: 25 for $17.75 *6301-D: 100 for $69.00*

Astilbe - Feather Flower

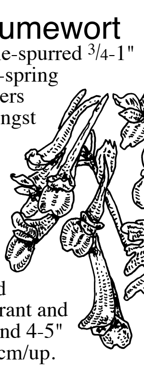
Long-lasting plumes of flamboyant feathery flowers light up the shadier parts of the perennial border. Excellent as a dried flower. Elegant fern-like foliage forms an attractive clump that looks good all season. Prefers cool shady areas but is surprisingly tolerant of direct sun when planted in consistently moist well-drained soil. Plant 18–24" apart and mulch it! Divide clumps every few years. Also called **False Spirea**. This mix of colors from the Arendsii Group of cultivars spans soft white, pink and purplish-red. Z4-8, 32–40", E-MSu. 2/3 eyes. **NEW!**

6302-A: 3 for $10.00 *6302-B: 6 for $18.00*
6302-C: 12 for $32.00

Flower Genus	**Distance Apart**	**Planting Depth**	**Sun/ Shade**	**Tolerates Damp?**
ARUM	5-7"	4-6"	shade	
ASTILBE	12-36"	2-4"	shade	yes
CORYDALIS	4-5"	3-4"	shade	yes
CYCLAMEN	6-8"	1-2"	shade	
ERYTHRONIUM	3-4"	4"	shade	yes
HEMEROCALLIS	12-18"	to 1"	sun	
HOSTA	24-48"	1-2"	shade	yes
IRIS, bearded	6-18"	to 1"	sun	
IRIS, siberian, japanese	6-15"	2-3"	sun	yes
MERTENSIA	15-18"	3-4"	shade	yes
PEONIA	24-36"	to 1"	sun	
TRILLIUM	6-12"	2-3"	shade	yes

Planting Depth is the approximate amount of soil above the top of the plant stock. Use deeper depths for colder areas and in sandy soils. See individual descriptions for additional planting information.

Corydalis solida - Fumewort



Downward-swooping single-spurred 3/4-1" tubular flowers bloom mid-spring in clusters of up to 20 flowers riding just above or in amongst the foliage. Deeply lobed palmate or fern-like grey-green leaves die back in summer heat. From northern hemisphere deciduous forest understories where there is partial shade and rich well-drained humusy soil. Moisture tolerant and deer-proof. Plant 4" deep and 4-5" apart. Z5-8, 8-10". MSp. 6cm/up.

'Beth Evans' - Pinkish-mauve with streaks of lighter color along the lower portion and mouth of each flower, darker pink at the upward-angled tail spur. **NEW!**

6303-A: 5 for $3.75
6303-B: 10 for $7.25
6303-C: 25 for $18.00

'Purple Bird' - Purple to violet luscious clusters with lighter color at the flower opening; darker towards the back. **NEW!**

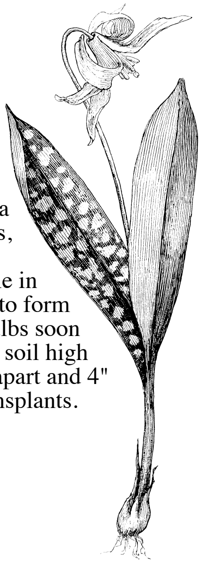
6304-A: 5 for $7.50
6304-B: 10 for $14.00
6304-C: 25 for $32.50

Cyclamen coum - Hardy Cyclamen

Reflexed and twisting pink petals seem to hover just above the foliage. In early spring, 1/2" flowers in varying shades of pink, wider than they are tall. Beautiful rounded to kidney-shaped to heart-shaped dark green leaves are often spackled silver. Spring-flowering *coum* prefers partial shade, and spreads slowly. (Not to be confused with *C. hederifolium*, also called hardy cyclamen or ivy-leaved cyclamen, which blooms in late summer.) Native to mountains along the Black Sea. Z5-9, 3-5", ES. 13-15cm.

6305-A: 3 for $9.50
6305-B: 6 for $15.00
6305-C: 12 for $27.75

Erythronium 'Pagoda' - Trout Lily



Small graceful lily-like flowers, lemon yellow with brown spots. 2-10 blooms per plant. Mahogany-mottled soft green foliage. 'Pagoda' is a robust hybrid of two California species. Thrives in shady areas, in woodlands or under shrubs. May take a year or two to settle in before flowering; may spread to form colonies. Plant these fleshy bulbs soon after you receive them, in rich soil high in organic matter, about 3-4" apart and 4" deep. Z4-8, 6-12", MS. #1 transplants.

6306-A: 3 for $6.00
6306-B: 6 for $9.75
6306-C: 12 for $17.25
6306-D: 48 for $65.00

Hemerocallis - See page 14.

Hosta

Valuable and cherished low-maintenance plant provides shade-loving groundcover from spring to frost. Bold foliage forming orderly mounds bears sprays of fragrant bell-shaped flowers on tall stalks. With their varying colors, textures and clump sizes, hostas alone under trees can make a woodland garden.

Hostas tolerate a wide range of soil conditions but need moisture. Blue and variegated leaves develop their best color in shade. Deep shade gives fewer flowers. Plant 2–4' apart in rich soil with adequate humus. Disturb clumps as little as possible; they improve with age as they spread and establish. Z3-8, 2/3 eyes.

Note: Our hosta have been dug "green" and the grower leaves 2-3" of foliage attached to protect the crown during shipping. It may give the appearance of a soft crown. This is the same as what the plant would do naturally when senescing in the fall.

'August Moon' - Large rounded golden puckering leaves, 16-20" tall, stay attractive all summer even when planted in the sun; or let it light up the shade garden. White flowers touched with lavender on scapes to 32" tall. Plants mature to 20-32" tall, 36-42" wide. **NEW!**

6307-A: 1 for $5.00
6307-B: 2 for $8.00
6307-C: 3 for $11.00
6307-D: 6 for $20.00

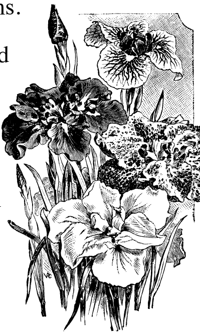
'Blue Angel' - Very large oval blue-green leaves, up to 12" wide and 16" long! Pale lavender to white flowers on scapes to 48" bloom midsummer. Foliage will develop best blue color in light shade. Plants mature to 36" tall and 48" spread. **NEW!**

6308-A: 1 for $6.50
6308-B: 2 for $11.50
6308-C: 3 for $17.00
6308-D: 6 for $31.00

'Earth Angel' - Forms an impressive clump of giant blue-green pointed leaves with wide creamy white margins and deep ribs. 2009's Hosta of the Year is a sport of 'Blue Angel'. Lavender flowers on scapes to 40". Plants mature to 30" tall and 40" wide. **NEW!**

6309-A: 1 for $6.75
6309-B: 2 for $11.75
6309-C: 3 for $17.50
6309-D: 6 for $32.00

Japanese Iris Mix - *I. ensata*
The largest blooms among the iris, usually 5" across but up to 8", with huge horizontal beardless falls and small standards, 3-4 flowers per stem, in blue, lavender, violet, and white. Arching narrow leaves form graceful clumps attractive near ponds or streams. Formerly named *I. kaempferi*. Plant 6-8" apart in slightly acid soil, in full sun or partial shade, with rootstock just below soil level. Prefers moisture during active growth and flowering. Often takes 2 years to establish, then is best left undisturbed for a long time. Can be planted in large pots for convenient display during bloom time. Native to Japan and northern China. Z4-9, 24-36", Su. 2-fan.



6310-A: 3 for $16.50 *6310-B: 6 for $29.00*
6310-C: 12 for $51.00

Siberian Iris - *I. siberica* - Beardless flowers float above the foliage. Slim yet sturdy stems bear up to 5 blooms, good for cutting. Tall slender foliage in clumps looks great all summer grouped in borders or naturalized in colonies. Hardy, low maintenance, easy to grow; tolerates clay or poor dry soil, but performs best in rich moist acid soil. Plant 12-15" apart in full sun or partial shade, with rootstock just below soil level. Give them room to spread; divide tight clumps and clumps with open centers. Z3-9, SU. 2-3 fan.

'Butter and Sugar' - Creamy white standards with Jersey butter-yellow falls. Their 2' stems make especially good cutting. When renowned Maine iris breeder Dr. Currier McEwen introduced 'Butter and Sugar' in 1970, it was the world's first yellow Siberian iris; won multiple awards and is still the yellow standard. 26-28".

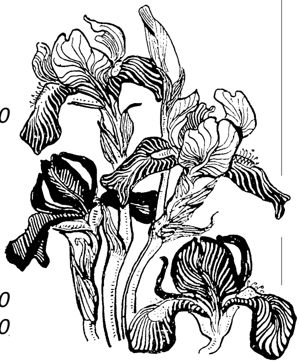
6311-A: 1 for $4.90 *6311-B: 3 for $11.75*
6311-C: 6 for $21.50 *6311-D: 24 for $75.00*

'Susan's Siberian' - Deep rich blue lightly touched with white on the signals and gold on the hafts. Rescued by a friend from the UMaine greenhouse compost bin years ago. Very similar to 'Caesar's Brother', if not it. **Eco-grown, Maine Grown.**

6312-A: 1 for $4.25
6312-B: 3 for $10.75
6312-C: 6 for $19.75
6312-D: 24 for $72.00

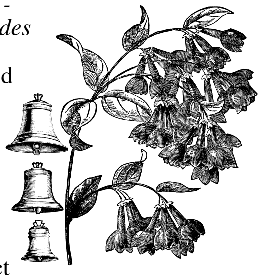
Siberian Iris Mix -
A mix of varieties, in blue, lavender, purple and white. 24-40".

6313-A: 3 for $12.00
6313-B: 6 for $21.50
6313-C: 12 for $38.00
6313-D: 24 for $74.00



More Iris, pages 15, 22.

Virginia Bluebells - *Mertensia pulmonarioides*
Clusters of nodding bell-shaped flowers held above veined oval leaves. Pink buds open to sky-blue or purple-blue flowers which look like those of Pulmonaria (lungwort). Clump-forming plant with erect stems is beautiful in shade displays with ferns, with bleeding hearts, with daffodils or squill. Also called **Virginia Cowslip**; was formerly *Mertensia virginica*. Prefers moist lowlands and slightly acidic woodsy soil in part shade. Dormant in summer. Native to eastern North America, nursery propagated. Z3, 18-24" tall, MS. #1 transplants. **NEW!**



6314-A: 3 for $9.50 *6314-B: 6 for $17.50*
6314-C: 12 for $32.00

Peonies - *Paeonia lactiflora*

Reliable, long-lived hardy herbaceous perennials. The species is native from Tibet to Siberia, and a medicinal in China. Maroonish-red to forest green shoots appear in mid-spring, and form a bushy clump, about 3x3', of lustrous dark green deeply lobed foliage.

Fat spherical buds on sturdy stems above the foliage gradually open from late spring to early summer. Huge flowers are stunning on the bush and wonderful when cut. Ants on peony buds are normal, so leave them alone; if you're trying to bring cuts indoors, dunk them in a bucket of water to rinse off the ants.

Plant 2-3' apart with eyes no more than 1-1½" below the surface in deep, fertile, moist but well-drained soil, in full sun to partial shade. May take 3-5 years to establish before blooming, and resents being disturbed during that time. Z3-8. LS-ESu. U.S.-grown roots with 2/3 eyes, except as noted.

'Alexander Fleming' - Organic - Among the hotter pink peonies. Our grower describes this fully double variety as bubblegum in color. Much as bubblegum might turn you off, nestled among and above its vibrant forest-green foliage, its flowers provide a lovely contrast. 28-30", 3/5 eyes. **Maine Grown. MOFGA-certified organic. NEW!**

6315-A: 1 for $8.50 *6315-B: 2 for $16.00*
6315-C: 3 for $22.00 *6315-D: 6 for $41.00*

'Benjamin Franklin' - Like its namesake, this peony is a very hardy late bloomer. A substantial double, deep red with slight lavender tinge, this 1907 cultivar had been hidden in the archives for decades and is now appreciated again for its prolific blooms and tantalizing fragrance. 20-24".

6316-A: 1 for $8.50 *6316-B: 2 for $16.00*
6316-C: 3 for $22.00 *6316-D: 6 for $40.00*

'Bowl of Beauty' - Sublime bicolor "Japanese" or "anemone" flowers up to 8" wide, with pastel rose-red petals inside and soft pink outside. Large frilly creamy yellow staminode center. 24-30".

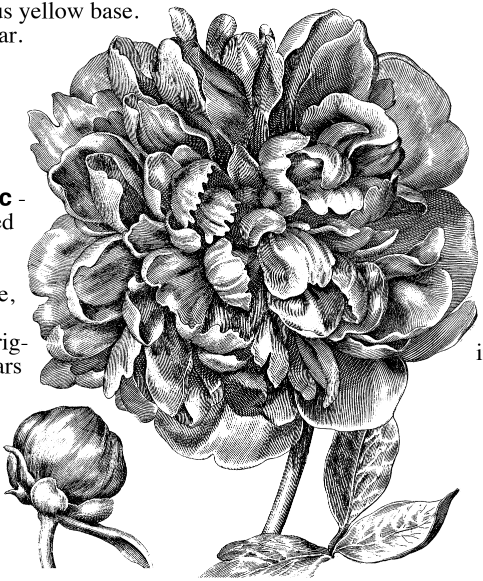
6317-A: 1 for $8.75 *6317-B: 2 for $16.50*
6317-C: 3 for $23.00 *6317-D: 6 for $43.00*

'Duchesse de Nemours' - Syn. '**Mrs. Gwyn Lewis**'. Early for a peony, the Duchesse produces fully double 5-7" flowers with spreading outer petals completely mounded over with lush white fragrant ruffled inner petals. Center petals are lit from within by their luminous yellow base. A sturdy and vigorous cultivar. 28-32".

6318-A: 1 for $8.75
6318-B: 2 for $16.50
6318-C: 3 for $23.00
6318-D: 6 for $43.00

'Felix Supreme' - **Organic** - Fully double peony, described as variously as ruby red and deep red. With its light fragrance and dark green foliage, 'Felix Supreme' is an improved 'Felix Crousse', originally introduced over 60 years ago. 32-34", 3/5 eyes. **Maine Grown. MOFGA-certified organic. NEW!**

6319-A: 1 for $8.50
6319-B: 2 for $16.00
6319-C: 3 for $22.00
6319-D: 6 for $41.00



'Koppius' - Deep rich carmine to purplish-red bowl-shaped fully doubled very large flowers bloom in the middle of peony-blooming season. Heady fragrance in the garden. 20-24".

6320-A: 1 for $8.50 *6320-B: 2 for $16.00*
6320-C: 3 for $22.00 *6320-D: 6 for $40.00*

'Sarah Bernhardt' - Fragrant flowers open light rose-pink. Matures to a more delicate pink with a slight creamy-silvery edge. Richly full, but not crammed, double flowers, 6-8" across, appear late in the peony season. 32-36".

6321-A: 1 for $7.50
6321-B: 2 for $13.50
6321-C: 3 for $19.00
6321-D: 6 for $34.00

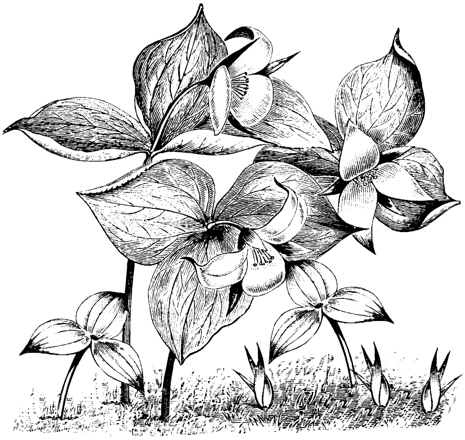
Extraordinary Doubles Peony Collection

Sample three Maine-grown double peonies with a red, a pink, and a pink-turns-to-white. Our choice of three varieties, individually packaged and labeled by name. 22-36". 3/5 eye. **Maine Grown. MOFGA-certified organic.**

6322-A: 1 for $24.00
6322-B: 2 for $46.00

Trillium

Classic native wildflower also called **Wakerobin** or **Stinking Benjamin**, will gradually build a quiet woodland colony if allowed to grow in peace. In spring three broad whorled leaves emerge from stalks 8-18" tall and put out three-part flowers. Grows in moist rich woods, full or part shade. Plant crowns before they dry out. Z4-8, MS. #1 transplants.



T. grandiflorum **Great White Trillium** Also known as **Wood Lily**. Large (to 3" across) pure white flowers are perched above the leaf whorl. Appalachian native, Quebec to Georgia. 12-14" tall. Nursery propagated. **NEW!**

6323-A: 3 for $9.75 *6323-B: 6 for $18.00*
6323-C: 12 for $33.00 *6323-D: 24 for $61.00*

T. luteum **Yellow Trillium** Three tiny 1½–2" upright lemon-yellow flower petals sit atop green sessile leaves mottled with silver. Native to areas around the Great Smoky Mountains. 12-16" tall. Nursery propagated. **NEW!**

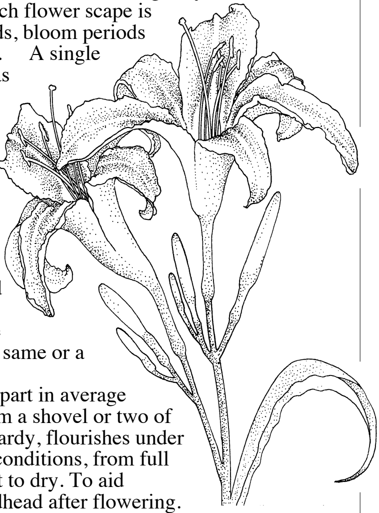
6324-A: 3 for $9.75 *6324-B: 6 for $18.00*
6324-C: 12 for $33.00 *6324-D: 24 for $61.00*

Perennials on pp. 10-13 are in the Main Shipment, late September to early October.
Plants on pp. 14-16 are in the Early Shipment, in early September. **The final order date for Early Shipment is August 17.**

Discounts on orders received by August 17, 2018: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Daylilies - *Hemerocallis*

Low-maintenance perennials which produce a clump of narrow arched leaves topped with a scape of lily-shaped flowers. The genus name *Hemerocallis* means beautiful day, referring to each flower lasting only a day; but since each flower scape is covered with buds, bloom periods can be extensive. A single daylily flower has three petals and three sepals, all six together called tepals, each with a midrib in the same or in a contrasting color. A "self" has all tepals and ribs the same color, though the throat can be the same or a different color.



Plant 12-18" apart in average soil; benefits from a shovel or two of compost. Very hardy, flourishes under a wide range of conditions, from full sun to shade, wet to dry. To aid rebloomers, deadhead after flowering. Z3-9. U.S.-grown 2-3 fan divisions.

'Autumn Red' - Dark mahogany-red 4-5" narrowish flowers, almost like a spider type, with a glistening yellow throat and striking slender golden-yellow mid-ribs. Blooms late in season and has been known to bloom again; scapes 24-35", LSu. ✦¢✦ **NEW!**

E6108-A: 1 for $4.25 *E6108-B: 3 for $10.25*
E6108-C: 6 for $19.50 *E6108-D: 12 for $36.00*

'Blackberry Sherbet' - Bright golden yellow with a black-red eye zone around a yellow throat. Overlapping flowers 4$^1/_2$" across in mid-late summer. Introduced 1994. 26-28" tall M-LSu. **NEW!**

E6109-A: 1 for $5.50 *E6109-B: 3 for $14.50*
E6109-C: 6 for $26.00 *E6109-D: 12 for $46.00*

'Franz Hals' - Smart-looking two-tone dusky orange-red petals with a yellow mid-rib. In contrast, the sepals are all yellow. Pale green deep in throat. 4-4$^1/_2$" flower. M-LSu. 34-36". ✦¢✦

E6110-A: 1 for $4.25
E6110-B: 3 for $10.25
E6110-C: 6 for $19.50
E6110-D: 12 for $36.00

'Purely' - Broad, slightly reflexed creamy white 6" self blooms, edges lightly fluted, with lemony yellow to pale green throat. Lightly fragrant and a repeat bloomer. 24", E-MSu.

E6111-A: 1 for $4.75 *E6111-B: 3 for $11.50*
E6111-C: 6 for $22.00 *E6111-D: 12 for $40.00*

'Purple de Oro' - Lavender-purple tepals with darker purple veins, lighter mid ribs, yellow-gold throat. Broad, slightly reflexed and ruffle-edged petals form 3" flowers. Its continuous blooming tendencies, 18-24" flower stalks, and compact habit make this Stella family member excellent for containers as well as the garden. E-LSu.

E6112-A: 1 for $5.25 *E6112-B: 3 for $13.75*
E6112-C: 6 for $24.75 *E6112-D: 12 for $45.00*

'Ruby Stella' - Dark ruby flowers with deep wine-red markings, a striking yellow-bordered greenish throat, and red anthers for highlights. Foliage 14-18" tall and flower scapes up to 22". Tolerates drought once established. Prolific 3" blooms from early summer until first frost. Performs best in full sun and does not require deadheading, pruning or pinching. Z4-11, E-LSu.

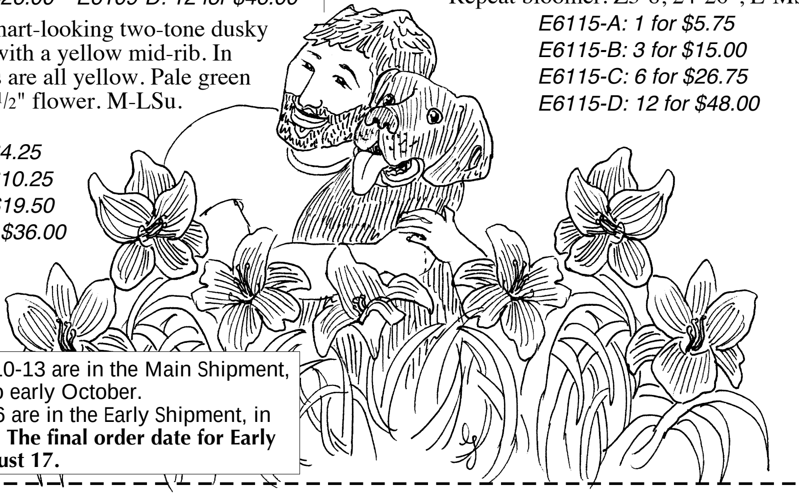
E6113-A: 1 for $6.00 *E6113-B: 3 for $15.50*
E6113-C: 6 for $27.00 *E6113-D: 12 for $48.00*

'Stella Supreme' - Soft lemon tepals, mildly reflexed, form a 3" flower with a citrus scent. Like its parent 'Stella de Oro', blooms early and lasts even longer, often until the first frost. Foliage reaches 14" and flower scapes reach 20". Performs best in full sun, is drought tolerant and does not require deadheading or pinching. Z4-11, E-LSu.

E6114-A: 1 for $6.00 *E6114-B: 3 for $15.50*
E6114-C: 6 for $27.00 *E6114-D: 12 for $49.00*

'Strawberry Candy' - Delicious medium-pale pink surrounds a broad rose-red eyezone and a yellow-green throat. Often has matching rose picotee edge, on 4-5" blooms. Winner of the 1998 Stout Medal, the highest award from AHS. Repeat bloomer. Z3-8, 24-26", E-MSu.

E6115-A: 1 for $5.75
E6115-B: 3 for $15.00
E6115-C: 6 for $26.75
E6115-D: 12 for $48.00



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Bearded Iris - *Iris* x *germanica*

A hardy perennial and fine cutflower, with multiple 3-6" blooms on each flower stalk. Strong sword-shaped foliage. Beards are soft hairs protruding up from the crest of each fall, often in contrasting colors. Awards listed are given by the American Iris Society.

Blooming begins in the first real heat of late May or early June. Rebloomers may have a second bloom later in the season depending on climate and cultivation.

Plant rhizomes horizontally, less than 1" deep, in clusters with new growth facing outward. Vigorous plants, so give them room to spread. They appreciate light soil and full sun, and require good drainage. May take a year to establish before blooming. Clumps need dividing every 4-5 years. Z4-8, LS-ESu. #1 fieldgrown rhizomes.

Miniature Iris

'Ice and Indigo' - As implied, ice-white with indigo markings. Standards white to gleaming icy blue. The complementary indigo stretches from the beard in broad patches to within 1/4-1/2" of the ice-blue ruffled petal edges. Only 10" tall.

E6116-A: 1 for $8.00   E6116-B: 3 for $20.50
E6116-C: 6 for $38.00   E6116-D: 12 for $72.00

Tall Bearded Iris

'Alliteration' - Bright lemon-yellow self with slight hints of peachiness in the background. Outstanding orange-gold beard. Fragrant and sunny; goes especially well to contrast with darker colors. 26-28" LS. **NEW!**

E6117-A: 1 for $7.75   E6117-B: 3 for $19.75
E6117-C: 6 for $36.75   E6117-D: 12 for $68.00

'Batik' - Standards and falls rich blue-purple with distinctively "etched" or "batiked" streaks of white throughout, and a shimmering gold and silver beard. No two flowers are exactly the same. 24-26". 1992 Knowlton Award winner.

E6118-A: 1 for $7.75
E6118-B: 3 for $19.75
E6118-C: 6 for $36.75
E6118-D: 12 for $68.00

'Bernice's Legacy' - Sumptuous velvety rich red-garnet falls really grab your eye, but almost obscure the subtle bronzy-gold beard. Antique rose standards with touches of yellow in the base. Rebloomer in many locations. 32". ✦¢✦

E6119-A: 1 for $7.00
E6119-B: 3 for $18.75
E6119-C: 6 for $33.00
E6119-D: 12 for $59.00

'Copper Classic' - The color of this classic is officially called 'Spanish orange' which is somewhere between orange and rust. Standards are coppery with hints of light burgundy; falls are yellow immediately around the tangerine beard, then slide through buff in the centers to copper at the edges. 32-36".

E6120-A: 1 for $7.75   E6120-B: 3 for $19.75
E6120-C: 6 for $36.75   E6120-D: 12 for $68.00

'Ghost Train' - Rich dark reddish purple-black self, falls darker than standards. Even the beard is a violet purple-black. In the shade or on an overcast day, it really looks black. 2004 Award of Merit. 35-37".

E6121-A: 1 for $7.75   E6121-B: 3 for $19.75
E6121-C: 6 for $36.75   E6121-D: 12 for $68.00

'Immortality' - Pure white standards and falls; a pale yellow blush peeks out of shadow areas. Fragrant rebloomer with its frothy white beard provides a smart contrast with its grey-green foliage and the purple-blue of lupines. 28-29".

E6122-A: 1 for $8.00   E6122-B: 3 for $20.50
E6122-C: 6 for $38.00   E6122-D: 12 for $72.00

'Pink Attraction' - Excellent pale pink, nearly identical to 'Beverly Sills'. Coral-pink standards, and light pink to white falls with a tangerine beard. Rebloomer. 24-36".

E6123-A: 1 for $7.50   E6123-B: 3 for $18.00
E6123-C: 6 for $32.50   E6123-D: 12 for $61.00

'Sorbonne' - Dark reddish-purple ruffled standards. Edges of falls are similar to standards, but there the similarity ends. Centers of falls are light with a purple stripe, and infused with green-gold and purple mottling. Beard is dark, hidden inside. Tall at up to 42", LS. **NEW!**

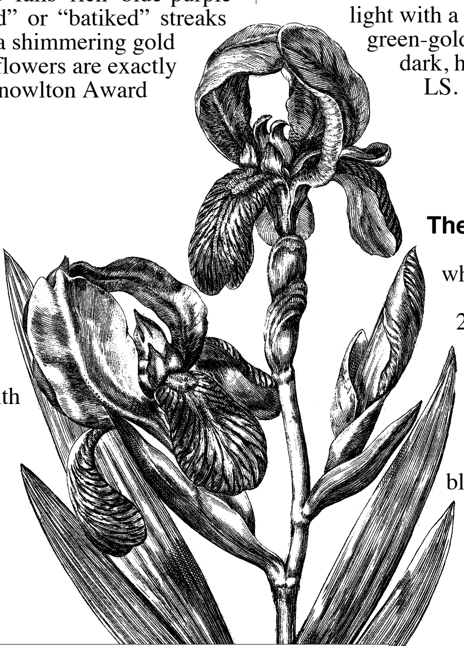
E6124-A: 1 for $7.75
E6124-B: 3 for $19.75
E6124-C: 6 for $36.75
E6124-D: 12 for $68.00

The Warm Mix - A warm mix of colors, including pink, yellow, white, orange, apricot, and a hint of maroon. Bicolors and selfs. 28-40".

E6125-A: 3 for $19.50
E6125-B: 6 for $37.00
E6125-C: 12 for $70.00

The Cool Mix - Showy bearded iris in cool colors of blues, whites, purples and a shot of black. Some with swirling colors, some with two colors, some selfs. 24-40".

E6126-A: 3 for $19.50
E6126-B: 6 for $37.00
E6126-C: 12 for $70.00



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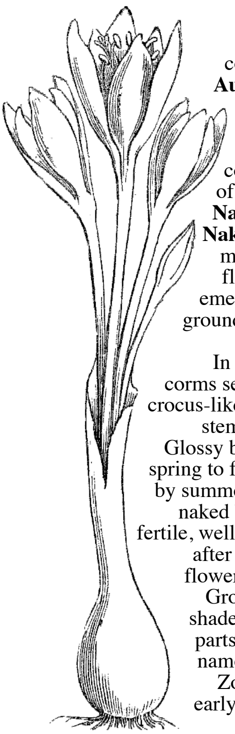
Fall-blooming Flowers



Colchicum - Only distantly related to crocus, colchichum's common names **Autumn Crocus** and **Meadow Saffron** would lead you to think otherwise. (But don't be fooled—it's toxic.) Other common names of **Naked Boys**, **Naked Girls** or **Naked Ladies** are more real; the flower stalks emerge from the ground in September, months after the leaves have died back. In early fall, the large bulb-like corms send up cup- or goblet-shaped crocus-like 4-8" flowers, up to five per stem, in shades pastel to vibrant. Glossy broad 8-12" leaves emerge in spring to feed the corms, then die back by summer to make way for autumn's naked bloom, Plant base 5" deep in fertile, well-drained soil. And do it *soon* after their arrival or you may find flowers climbing out of their bags. Grows well in full sun or partial shade. Native to western Asia and parts of the Mediterranean; many named varieties were selected by Zocher & Co in Holland in the early 1900s. Z4-9.

***Colchicum autumnale* 'Album'** - Vigorous white, a bit smaller than other varieties. 4-5", 13cm/up. **BACK!**

E6101-A: 1 for $7.00 *E6101-B: 3 for $18.00*
E6101-C: 6 for $33.00

'The Giant' - Organic - Violet to rosy pink with a white base. 3" petals open nearly flat in bright sun and can fill in to form a cheery mat over time. 6-8", 20cm/up. **Maine Grown. MOFGA-certified organic. ✦¢✦**

E6102-A: 1 for $5.50 *E6102-B: 3 for $13.25*
E6102-C: 6 for $23.85 *E6102-D: 12 for $45.00*

'Waterlily' - Pink to mauve many-petalled fully doubled flowers in early fall really do look like waterlilies sprouting from the ground. May take a year to establish before flowering. 5-6", 14-16cm.

E6103-A: 1 for $6.25 *E6103-B: 3 for $15.00*
E6103-C: 6 for $27.00 *E6103-D: 12 for $49.00*

Colchicum Variety Mix - Vibrant violet, lilac, lavender and white flowers contrast with falling leaves in October. Each corm sends up 5-10 flowerstalks so you can expect well over two weeks of blooms from each plant year after year. Included in this mix are 'The Giant', 'Lilac Wonder', 'Waterlily', *C. autumnale* 'Album', and possibly others. 4-12", Topsize.

E6104-A: 3 for $17.50 *E6104-B: 6 for $32.00*
E6104-C: 12 for $58.00 *E6104-D: 24 for $91.00*

Autumn-blooming Colchicum and Crocus ship in early September.

Fall-blooming Crocus

These true crocus, close cousins to the spring flowers, are not toxic; saffron crocus forms one of the world's great spices, Plant these in a sunny well-drained somewhat protected spot where they will be visible during their late-fall bloom.

Crocus sativus - **Saffron Crocus** - Valued for its three extra-long orange-red stigmas used for seasoning, medicine and dye. The sterile flower opens broadly in the October sun, with classic crocus leaves. Petals range from light lilac to violet with darker veins. While it takes about 68,000 flowers to make a pound of saffron, you can begin your home supply, harvesting and drying the stigmas at just the right fleeting moment as the morning dew dries.

May not bloom the first autumn. Prefers friable well-watered, well-drained soil high in organic matter in full sun. Lightly forking the bed in summer when corms are dormant will help separate and spread bulblets in the bed.

Not found in the wild; genetic research points to domestication in eastern Greece or Crete over 3500 years ago. Some say only hardy to Zone 6, but others say, with good drainage and a deep mulch over the winter, Z5-9. 3-4". 8-9cm.

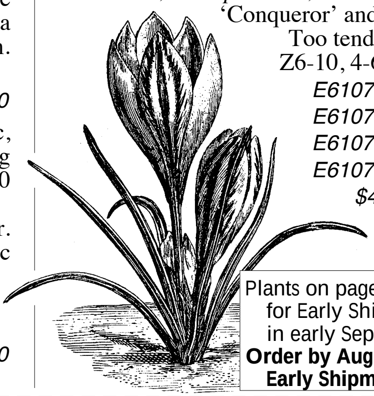
E6105-A: 5 for $3.50 *E6105-B: 10 for $5.60*
E6105-C: 25 for $13.00 *E6105-D: 100 for $45.00*

Crocus speciosus - Violet blue flowers are the earliest of the fall-flowering crocus to bloom, so plant them promptly. Wild fringey stamens inside veined flowers on long stems. Plant closely for support, or among ground covers. Spreads easily and rapidly. Leafs out in spring. The hardiest fall crocus available. Z4-9, 4", perhaps taller in later years. 5-6cm.

E6106-A: 5 for $3.75 *E6106-B: 10 for $6.00*
E6106-C: 25 for $14.25 *E6106-D: 100 for $49.00*

Fall-flowering Crocus Mix - These autumn-flowering crocuses provide a welcome kick of low-growing color. White, purple, lilac, pink, and violet with darker veins, in brilliant contrast to stamens of oranges and lemon yellows. Includes *C. sativus, C. speciosus, C. s.* 'Albus', *C.s.* 'Conqueror' and *C. kotschyanus*. Too tender for cold areas. Z6-10, 4-6", 5-6cm.

E6107-A: 10 for $7.00
E6107-B: 20 for $11.25
E6107-C: 50 for $27.00
E6107-D: 100 for $49.00



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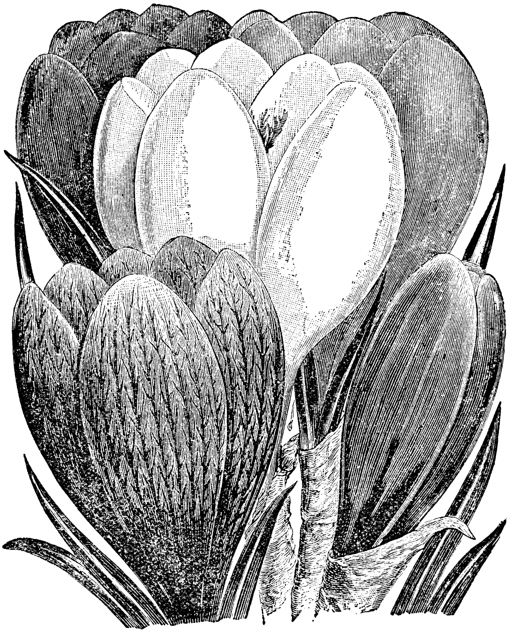
Order by August 17 to receive Early Shipment items.



Spring Crocus provide a burst of color in early spring as well as food for bees. Once established, crocus can spread by "cormlets" and seed in well-drained areas. Foliage of low-growing varieties fades before the grass needs mowing. One of the most popular genera, they are welcome precursors of spring—colorful, long-lived, and easy to grow. Their waxy coat allows them to bloom even through a late snow.

Species Crocus mix

A mix of types and colors, mostly *Crocus chrysanthus* with some of the other small species as well. Z3-8, 2-4", VE. 5cm/up.

6421-A: 20 for $4.25
6421-B: 40 for $6.80
6421-C: 100 for $15.75
6421-D: 300 for $43.00

Snow Crocus *C. chrysanthus*

The best-known small crocus species. Up to 4 fragrant flowers per corm, with rounded petals. Native to Greece, Turkey and the Balkans. Z3-8, 3-4", VE. 5cm/up, except where noted.

'Blue Bird' - Violet-blue outer petals edged in white. Inside, white to pale blue with orange stamens and a yellow base.

6422-A: 10 for $3.00
6422-B: 20 for $5.00
6422-C: 50 for $11.25
6422-D: 200 for $40.00

'Blue Pearl' - Pale blue petals with a bronze base outside, pearly white and pale blue inside with a yellow base. 6cm/up.

6423-A: 10 for $2.25 *6423-B: 20 for $3.75*
6423-C: 50 for $8.50 *6423-D: 200 for $28.00*

'Cream Beauty' - Light eggnog cream with a slightly darker base and orange stamens. This beauty is not one of the usual crocus colors, and is quite attractive. ✦¢✦

6424-A: 10 for $2.15 *6424-B: 20 for $3.40*
6424-C: 50 for $8.00 *6424-D: 200 for $29.00*

'Dorothy' - Bright deep orange-yellow inside with a light feathering of bronze on the base outside. 6cm/up.

6425-A: 10 for $3.00 *6425-B: 20 for $5.00*
6425-C: 50 for $11.25 *6425-D: 200 for $40.00*

'Prins Claus' - White petals brushed with dark violet on the outside, white inside with bright orange stamens. **BACK!**

6426-A: 10 for $3.65 *6426-B: 20 for $5.85*
6426-C: 50 for $13.45 *6426-D: 200 for $47.00*

'Snow Bunting' - Winter white with a gold center, very lightly feathered grey-blue on the outside. Lightly fragrant.

6427-A: 10 for $3.50 *6427-B: 20 for $5.60*
6427-C: 50 for $12.85 *6427-D: 200 for $45.00*

more crocus, next page

In his award-winning book *The Holistic Orchard*, Michael Phillips recommends planting crocus in the orchard to help attract and retain native orchard mason bees. Crocus provide a pollen source before the fruit trees bloom.

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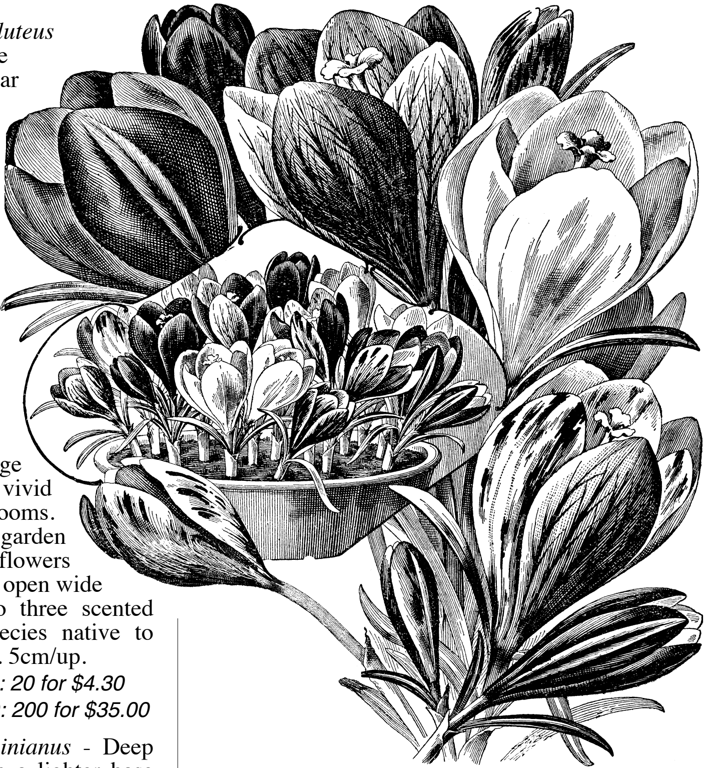


'Yellow Mammoth' - *Crocus* x *luteus* (*C. flavus* x *C. angustifolius*) - The classic big yellow, the most popular crocus variety for over 300 years. Also sold under the names Golden Yellow, Giant Yellow, and Grote Geele. Vigorous, 2-5 large flowers per corm. Sterile; spreads by offsets. Blooms slightly before the Jumbos, *C. vernus*, and often is grouped with them. Z3-8, 4-6", VE-ES. 8-9cm.

6428-A: 10 for $3.85
6428-B: 20 for $6.15
6428-C: 50 for $14.25
6428-D: 200 for $48.00

'Tricolor' - *C. sieberi* sbsp. *sublimus* f. *tricolor* - Golden-orange throat banded with white makes a vivid center in these bright lilac-blue blooms. Sublimely striking whether in the garden or forced indoors. Sometimes the flowers emerge before the leaves; flowers open wide and starlike in the sun. One to three scented flowers per corm. Vigorous species native to Greece and Crete. Z4-8, 2-3", VE. 5cm/up.

6429-A: 10 for $2.70   6429-B: 20 for $4.30
6429-C: 50 for $9.90   6429-D: 200 for $35.00

'Ruby Giant' - *Crocus tommasinianus* - Deep purplish-red slender flowers with a lighter base and margins. Pointy petals, 1-2 flowers per corm, and a very pronounced white stripe on the leaves. Doesn't compete well in grass, but easily reseeds itself and forms colonies in gardens. Large, almost as large as the Jumbos, vigorous and free-flowering. The most tolerant of moisture during the dormant period. Species called **Woodland Crocus**, native to Bulgaria and Dalmatia. Z3-8, 3-4", VE. 5cm/up. ✦¢✦

6430-A: 10 for $2.60   6430-B: 20 for $4.25
6430-C: 50 for $9.75   6430-D: 200 for $32.00

Jumbo or Dutch Crocus - *C. vernus*

While "jumbo" relative only to other crocuses, these are the most commonly grown. Slightly later than the smaller varieties. Good for bedding, naturalizing and forcing. Flowers do equally well in sun or partial shade. Divide every 3-4 years if needed to prevent overcrowding. Z3-8, 4-6", VE-ES. 8-9cm.

'Flower Record' - Deep violet-mauve flowers with a purple base. Spreads readily. Popular since its introduction in Victorian times as **'Crocus Purpurea Grandiflora'**.

6431-A: 10 for $3.95   6431-B: 20 for $6.25
6431-C: 50 for $14.50   6431-D: 200 for $49.00

'Jeanne d'Arc' - Gleaming pure white petals and bright orange pistils. Pair it with any other for brilliant contrast.

6432-A: 10 for $4.15   6432-B: 20 for $6.60
6432-C: 50 for $15.25   6432-D: 200 for $52.00

'Pickwick' - Marble-white petals striped and tinged with lilac-purple veins. ✦¢✦

6433-A: 10 for $3.85   6433-B: 20 for $6.15
6433-C: 50 for $14.15   6433-D: 200 for $47.00

Jumbo Crocus mix

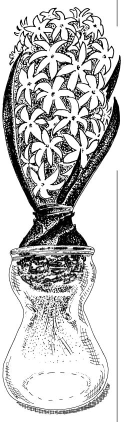
Yellow, white, purple, blue and stripes, for large-scale naturalizing or border plantings. Landscape size, 7-8cm.

6434-A: 20 for $5.70   6434-B: 40 for $9.00
6434-C: 100 for $20.75   6434-D: 300 for $52.00

Hyacinths - *Hyacinthus orientalis*

More popular than either tulips or daffodils 130 years ago, their heady fragrance and range of color make them a favorite in the spring. An old Persian proverb says that if you have two loaves of bread, you should sell one to buy hyacinths.

For best showing year after year, plant bulbs deep in rich well-drained soil in full sun and fertilize each fall. After the first year, the florets are slightly smaller and not as dense. Grow them in the border in close bunches or meandering drifts. Because a natural compound in the bulbs can cause "hyacinth itch," wear gloves during planting, and wash with cold water and plain soap after handling the bulbs. Z4-8, 8-12", ES-MS. 15-16cm, except where noted.



"Antiqued" Hyacinth Glass - Classic hourglass shape holds the bulb securely, with plenty of room for roots. Add interest with small stones or beach glass in the base. Clear, antiqued wavy heavy glass, with dimples around the "waist" to ensure good drainage around the bulb. $5\frac{3}{4}$" tall, $3\frac{1}{2}$" diameter. **BACK!**

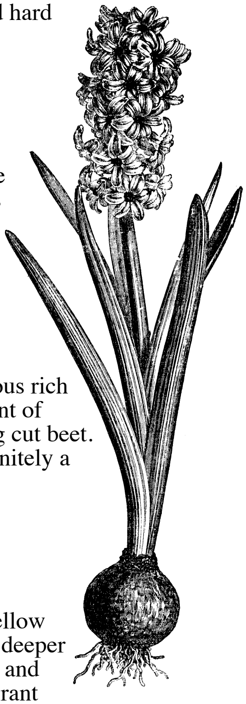
6451-A: 1 for $6.35
6451-B: 3 for $15.25
6451-C: 6 for $27.50
6451-D: 12 for $49.00

'Atlantic' - Sun-splashed lighter edges on dark lilac to purple florets, with amethyst veins. Aromatic beauty offers a sublime contrast to daffodils.

6452-A: 3 for $4.75
6452-B: 6 for $7.50
6452-C: 12 for $13.50
6452-D: 48 for $47.00

'Delft Blue' - Rich soft porcelain blue. The classic hyacinth color that goes with everything. In the current-day city of Delft there still exists one factory making the blue porcelainware as they have for over 350 years. 16-17cm.

6453-A: 3 for $4.90
6453-B: 6 for $7.70
6453-C: 12 for $14.00
6453-D: 48 for $48.00



'Peter Stuyvesant' - Deep blue to royal purple. Strong sun fades many dark varieties, but Peter holds color well. Also bred for strong stems to withstand hard wind and rain.

6454-A: 3 for $4.50
6454-B: 6 for $7.20
6454-C: 12 for $13.00
6454-D: 48 for $46.00

'Pink Pearl' - Deep rose pink with pale pink veins and edges. Very fragrant. 16-17cm.

6455-A: 3 for $4.90
6455-B: 6 for $7.70
6455-C: 12 for $14.00
6455-D: 48 for $48.00

'Woodstock' - Marvelous rich violet-red color with a hint of magenta, like a glistening cut beet. Very full flower and definitely a stand-out. ✦¢✦

6456-A: 3 for $4.25
6456-B: 6 for $6.75
6456-C: 12 for $12.15
6456-D: 48 for $44.00

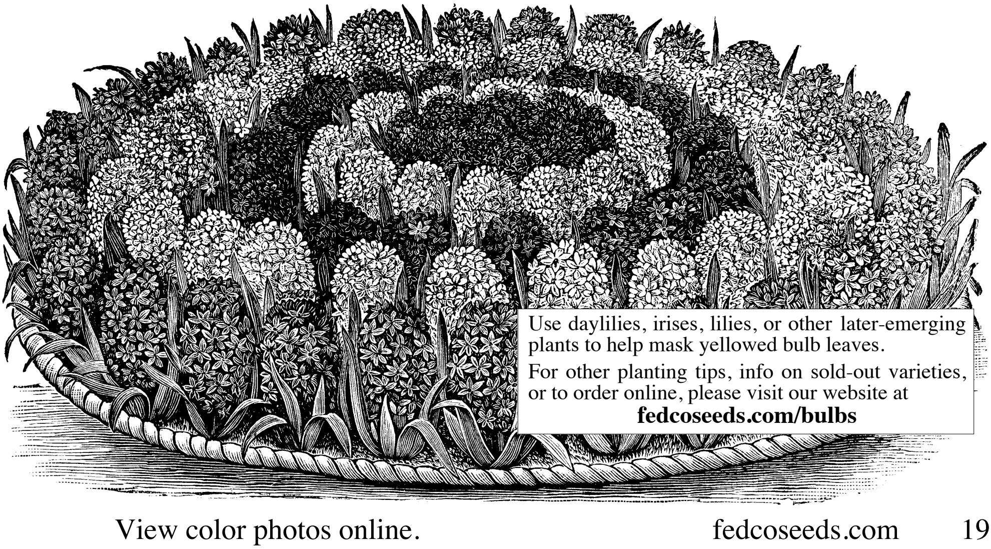
'Yellowstone' - Pale yellow inside each floret, with a deeper forsythia-yellow on buds and backs of petals. This fragrant beauty makes an excellent complement to darker hyacinths.

6457-A: 3 for $4.50
6457-B: 6 for $7.20
6457-C: 12 for $13.00
6457-D: 48 for $46.00

Hyacinth mix

Most of the above colors, along with red, white and maybe more. ✦¢✦

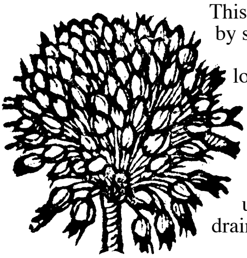
6458-A: 6 for $7.40
6458-B: 12 for $12.00
6458-C: 24 for $21.40
6458-D: 96 for $76.00



Use daylilies, irises, lilies, or other later-emerging plants to help mask yellowed bulb leaves.

For other planting tips, info on sold-out varieties, or to order online, please visit our website at **fedcoseeds.com/bulbs**

Allium - Flowering Onions



This large genus is characterized by small six-petaled florets held in umbels—large or small, loose or tight. Sweet-smelling blooms make great fresh cutflowers or dried winter arrangements whether you cut them before or after the green seed pods form. Alliums prefer full sun and well-drained soil. Most repel slithery, winged and legged pests—including deer—and only if crushed will they smell like onion. All types LS-ESu, except where noted.

Low-growing Alliums

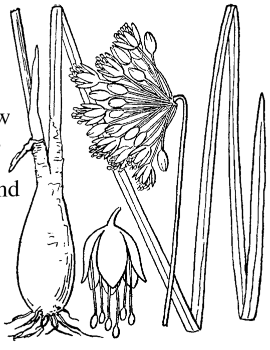
A. caeruleum - Blue of the Heavens

Gorgeous flax-blue florets form $1^{1}/_{2}$" dense umbels. Hardy variety from Siberia gradually forms large clumps. Feed in early spring to promote leaf and bulb growth; leaves die back in spring before flowering begins. Z3-8, 12-16". 5cm/up.

6401-A: 10 for $4.00 *6401-B: 20 for $6.40*
6401-C: 50 for $14.75 *6401-D: 200 for $52.00*

A. cernuum - Sparkler Mix

Buds burst open to reveal brightly colored florets in nodding clusters like waterfall-style fireworks. The dark rose-pink, golden yellow and starry white umbels shine against a dark border or background and sparkle in a mini-vase. Not tall, but they really stand out. Species, called **Nodding Onion**, is native to much of North America. Z4-8, 8-10". 4-5cm. **NEW!**



6402-A: 5 for $8.00 *6402-B: 10 for $13.00*
6402-C: 25 for $29.75

A. moly - Lily Leek

Bright yellow 2-3" upright umbels, naturalizing easily in sunny borders, rock gardens, light woods and under shrubs. Called **Golden Garlic** in some locales. Produces many bulblets which mature quickly. Grows wild in southern Europe where it was used for centuries as a talisman. Z3-8, 6-8". 5cm/up.

6403-A: 10 for $2.50 *6403-B: 20 for $4.00*
6403-C: 50 for $9.25 *6403-D: 200 for $32.00*

A. oreophilum - Pink Lily Leek

Bright fuchsia-rose florets with darker midribs, in a 2" semi-loose umbel. Lightly fragrant florets are larger than those of most other types. Z3-8, 8-10". 5cm/up.

6404-A: 10 for $2.50 *6404-B: 20 for $4.00*
6404-C: 50 for $9.25 *6404-D: 200 for $32.00*

A. trifoliatum 'Cameleon'

Bright rosy-pink florets change to white with rose midribs over time. Many show both colors at once, giving an overall pale pink apple-blossom effect. Species from northern Italy and southern France; variety also spelled 'Caméléon', French for *chameleon*. Z5-9, 10-12" tall. 4cm/up. **NEW!**

6405-A: 10 for $5.50 *6405-B: 20 for $8.75*
6405-C: 50 for $20.25 *6405-D: 200 for $71.00*

Small Allium Mix - A fragrant mix of three of the smaller alliums, in yellow *(A. moly)*, rose *(A. oreophilum)*, and white *(A. neapolitanum)*. If fed and happy, will spread over time. Z4-8, 6-16". 5cm/up. ✦¢✦

6406-A: 10 for $2.25 *6406-B: 20 for $3.55*
6406-C: 50 for $8.15 *6406-D: 200 for $28.00*

Medium-height Alliums

A. cristophii - Star of Persia

The largest flower umbel of the genus, though not as dense as others, giving it a light airy appearance. 8-12" spheres of silvery pink-violet starry $1^{1}/_{2}$-2" florets stand out in the garden; also excellent for cutting. Z4-8, 18-24". 12-14cm.

6407-A: 3 for $3.00 *6407-B: 6 for $5.00*
6407-C: 12 for $9.00 *6407-D: 48 for $32.00*

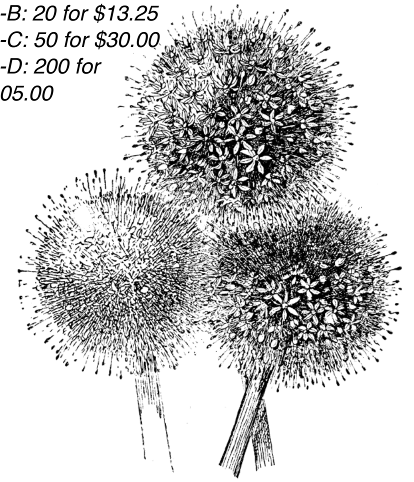
'Graceful' - White florets have pink mid-ribs and stigma, with lavender anthers. Medium-dense 2" ball laden with florets looks mostly white, but en masse gives hints of pale pink and lilac. Parentage includes *A. amplectens*. Z4-9, 14-18". 6cm/up.

6408-A: 5 for $5.00 *6408-B: 10 for $8.00*
6408-C: 25 for $18.40 *6408-D: 100 for $68.00*

A. hollandicum 'Purple Sensation'

Dense 3-4" ball of deep violet-purple florets on sturdy stems. Wonderful as a cutflower, or lined along a walkway, or grouped in a border. Z4-8, 24-36". 12cm/up.

6409-A: 10 for $8.25
6409-B: 20 for $13.25
6409-C: 50 for $30.00
6409-D: 200 for $105.00



A. siculum - Sicilian Honey Garlic
This rugged beauty bears up to 30 delicate pendent bell-shaped ½-1" flowers on 2" pedicels, forming 4-5" spreading umbels, at the top of slightly arching stems. The cream-colored florets are tinged purplish-rose. Sharply keeled 12-16" blue-grey twisting basal leaves smell like garlic only when crushed. Former botanical names include *Allium bulgaricum* and *Nectaroscordum siculum.* Native from Provence and Sicily, along the north shores of the Mediterranean, and up into Bulgaria, where it is used as a seasoning. Plant in sun to semi-shade. With protection, Z5-9. 24-36". 8-10cm.

6410-A: 10 for $4.50 *6410-B: 20 for $7.25*
6410-C: 50 for $16.75 *6410-D: 200 for $59.00*

A. sphaerocephalon - Drumsticks
Dense ovoid 1-2" heads have a haunting color that's hard to describe: burgundy, dark reddish maroon, or maybe violet-red. Blooms have lasted nearly a month in a cool moist spring. Wonderful poking up through daylily foliage. Z4-8, 20-30", MS. 5cm/up.

6411-A: 10 for $2.50 *6411-B: 20 for $4.25*
6411-C: 50 for $9.75 *6411-D: 200 for $31.00*

Wild About Alliums Mix - A half dozen or more kinds of medium to medium-tall alliums in colors of violet, purple, blue and white; 2-4" sweet-scented umbels in early summer. Z4-8, 16-33". Topsize bulbs.

6412-A: 10 for $8.25
6412-B: 20 for $13.75
6412-C: 50 for $33.00
6412-D: 200 for $105.00

Tall Alliums

A. giganteum - Giant Onion
Densely packed 5-6" head of violet-purple florets opens atop a 3½-4' sturdy flower stalk. The tallest allium, it needs shelter from strong winds. A spectacular cutflower; cut it short for a tabletop or long for a floor vase. Z4-9, 40-48", E-MSu. 18-20cm.

6413-A: 1 for $6.75 *6413-B: 2 for $10.90*
6413-C: 3 for $15.00 *6413-D: 12 for $52.00*

'Globemaster' - Hundreds of deep lilac florets form a dense 6-8" ball. Magnificent long-lasting sterile flower attracts raves. Makes a remarkable dried flower for winter arrangements. Hybrid of *A. cristophii.* Z4-8, 30-40", E-MSu. 20cm/up.

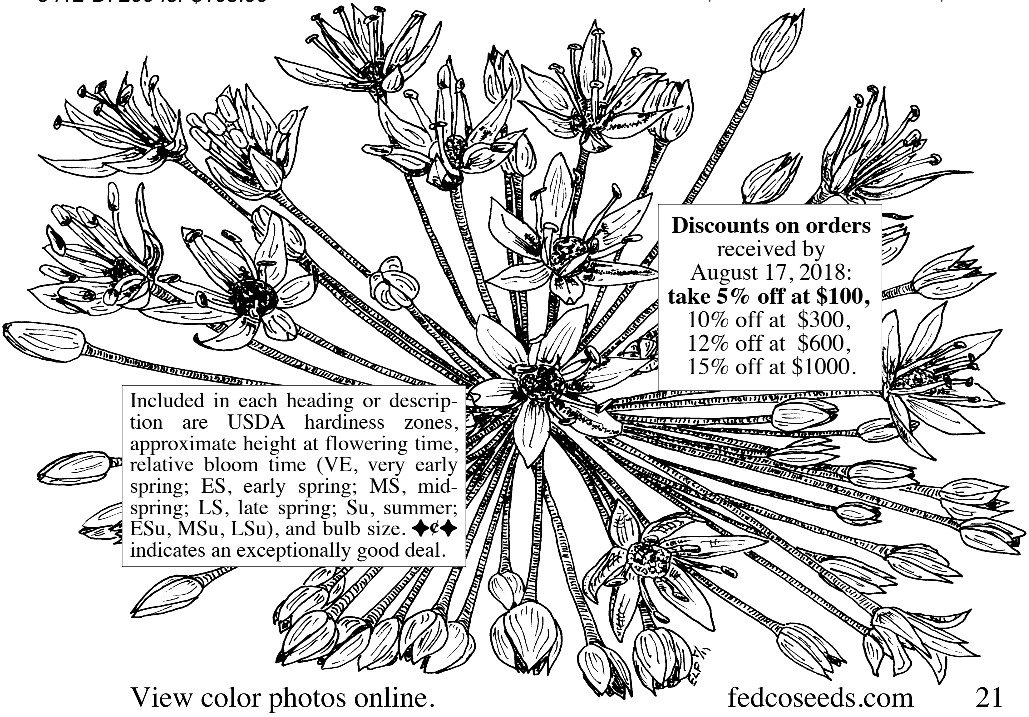
6414-A: 1 for $8.50 *6414-B: 2 for $14.00*
6414-C: 3 for $20.50 *6414-D: 12 for $73.00*

'Mount Everest' - Like a giant 6" snowball on a stake. sturdy, vigorous, and long-lasting, it's the best all-white tall allium. Really shines. A pure white form of 'Mars', itself a selection from A. *stipitatum.* Z4-8, 36-48". 18cm/up.

6415-A: 1 for $4.50 *6415-B: 2 for $7.55*
6415-C: 3 for $10.25 *6415-D: 12 for $35.00*

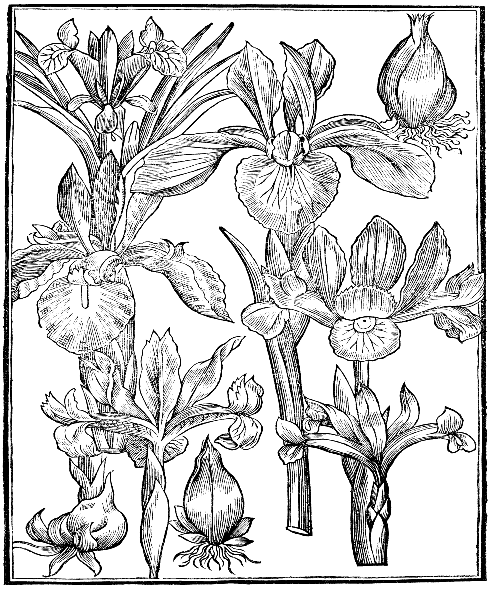
Allium Giants Mix - With up to five extra-tall flowering alliums in this mix, we hope you enjoy these giants of the allium world. Includes white, red-violet, purple, purple with white highlights. Tight or semi-tight umbels. Green seed pods add contrast as the flower matures. Z4-9, 32-60". 12-20cm. ✦¢✦

6416-A: 3 for $13.00 *6416-B: 6 for $21.00*
6416-C: 12 for $36.00 *6416-D: 24 for $65.00*



Discounts on orders
received by
August 17, 2018:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.



Iris is the name of the Greek goddess of the Rainbow, and of this large genus of beautiful flowers in a range of sizes and a rainbow of colors. Growing from bulbs or fleshy rhizomatous roots, irises are superb for cutting and borders. For all iris, "standards" are the three smaller erect petals; "falls" are the three larger pendent, reflexed or spreading petals. The blaze of contrasting color is the "crest," "blotch" or "signal."

Most irises prefer sun or dappled shade with moderately fertile well-drained soil. All bulbous irises prefer dry soils when dormant in summer.

See page 12 for Japanese and Siberian irises, and page 15 for bearded iris.

Dwarf Iris

Smaller delights, blooming in very early spring, for bursts of color in the lawn, border or rock garden. Robust and hardy, spread easily once established. Also good for forcing. Enjoys full sun and sandy soils. Short leaves at flowering, later grow to 10-12". Plant 4" deep and 1" apart for maximum color splash. 5cm/up.

Iris danfordiae - Fragrant, brilliant lemon-yellow flowers. Falls display an orange crest with small olive spots; tiny upright standards and erect narrow leaves. Often the first iris to bloom. Native to Turkey; prefers hot summers. Z4-9, 3-6", VE.

6459-A: 10 for $4.40 *6459-B: 20 for $7.00*
6459-C: 50 for $16.20 *6459-D: 100 for $29.00*

Iris histroides 'Katharine Hodgkin'
Light blue standards with royal blue to purple striping. Pale lavender-streaked falls are highlighted by a yellow crest splashed with deep purple spots. Unusual, beautiful color combination. Flowers 3" across. Z4-9, 3-5", ES.

6460-A: 10 for $6.25 *6460-B: 20 for $10.00*
6460-C: 50 for $23.00 *6460-D: 100 for $42.00*

Iris reticulata 'Dark Blue' - Rich navy blue nearly horizontal standards and darker falls contrast smartly against a yellow and white crest. Hardy dwarf tolerates late snows and frosts with no loss of color. Z4-9, 4-6", VE-ES.

6461-A: 10 for $3.40 *6461-B: 20 for $5.50*
6461-C: 50 for $12.65 *6461-D: 100 for $23.00*

I.r. 'Harmony' - Velvety royal purple-blue falls with a yellow crest, and lavender-blue standards. Fragrant, long-lasting. Z4-9, 3-5", VE-ES.

6462-A: 10 for $3.40 *6462-B: 20 for $5.50*
6462-C: 50 for $12.65 *6462-D: 100 for $24.00*

I.r. 'J.S. Dijt' - Reddish-purple delightful flowers highlighted by a gold signal with white borders on unfurling falls. Z4-9, 4-5", VE-ES.

6463-A: 10 for $3.75 *6463-B: 20 for $6.00*
6463-C: 50 for $13.80 *6463-D: 100 for $25.00*

Dwarf Iris Mix

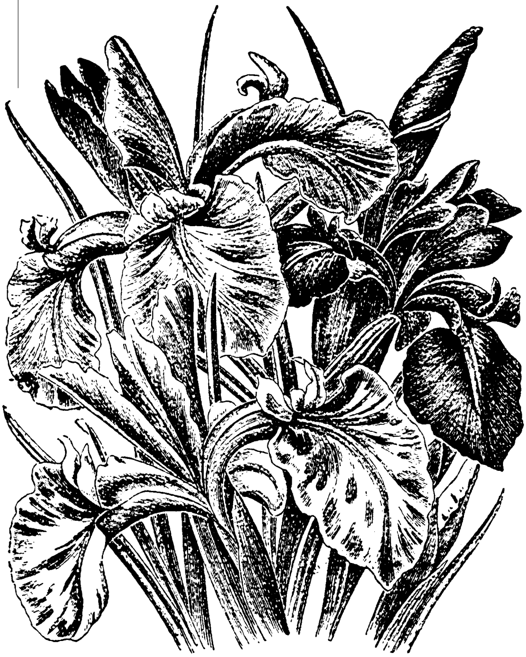
Four or more mini varieties from *I. danfordiae* and *I. reticulata*; a mix of early spring standouts.

6464-A: 20 for $6.50 *6464-B: 40 for $10.70*
6464-C: 100 for $24.25 *6464-D: 200 for $43.00*

Dutch Iris mix - *Iris* x *hollandica*

Among the best cutflowers, with elegant airy blooms on stiff stems; cut when buds are plump. Lovely clumped in the border. White, yellow, blue, ivory, mauve, violet and more. Dutch iris are a complex cross of *Iris xiphium*, *I. tingitana*, and *I. latifolia*. Z5-8, 16-24", LS-ESu. 7-8cm.

6465-A: 20 for $6.50 *6465-B: 40 for $10.70*
6465-C: 100 for $24.25 *6465-D: 200 for $44.00*



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We guarantee that all items we offer are fully satisfactory.

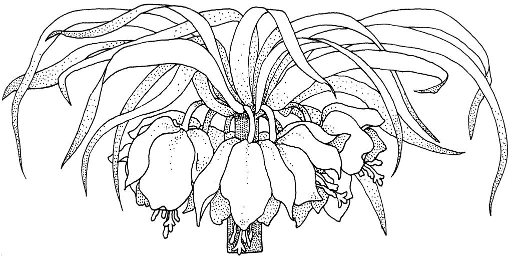
If you are dissatisfied because of any product defect, we will either replace the item or refund the purchase price.

Inspect your order upon receipt and notify us of any problems. If you notice problems next spring, let us know. Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price of the goods. The liability of Fedco Seeds, Inc., for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability.

Claims for errors in your order must be presented within 30 days of receipt of your order.

Claims for any product defects should be presented to Fedco as soon as possible after discovery.

Failure to assert claims within 30 days after discovery renders this warranty null and void.



2018 Ordering Information

Friday, August 17, is the final order date for **early shipment items** (pages 14-16) and is also the **discount deadline.**

Please mail your order early enough for us to receive it by the deadline.

To encourage group and co-op orders, we offer the following **volume discounts** on orders **we receive** by the **Aug. 17** deadline:

5% on orders $100 and up
10% on orders $300 and up
12% on orders $600 and up
15% on orders $1000 and up

Discounts are calculated from the order Subtotal of all items (before adding shipping or tax).

Orders received after Aug. 17 do not earn volume discounts and should expect some items to have sold out; check online for up-to-date info.

Friday, August 31, is the final order date.

We ship orders in the sequence we receive them. If you want bulbs early, please order early.

Minimum order: $10 (not including shipping).

Web orders: Order at **fedcoseeds.com**.

Mail orders: Please use pen to help us process your order accurately. **Send** your order form, with payment to: **Fedco Bulbs, PO Box 520, Clinton, ME 04927**. Keep a copy. If you wish us to confirm receipt of your order, enclose a stamped self-addressed postcard. If you need another copy of the order form, download the pdf from our website, or phone us at (207) 426-9900.

We do not take phone or fax orders.

Payment: We accept Visa, MasterCard, AmEx, Discover; by mail, also checks and money orders.

Group orders: Only one shipping charge (if any), and the group's Subtotal determines the discount (if any). See our website for info on organizing an online group order.

By mail, collect and send to us at one time with one payment all the order forms from all your group members (keep copies for your use). Use a copy of the order form as a cover sheet for group address and payment.

We make shipments to one address with members' orders individually packed and labeled. Pickup orders must pick up all parts at one time.

Questions? Problems?

Call us at 207-426-9900 or send an email to **questions@fedcoseeds.com**.

Shipping Information

Shipping to the continental US: we ship UPS Ground or USPS Priority Mail, our choice.

Minimum shipping charge: $7. Orders over $70 pay 10% of Adjusted Total. One shipping charge, no matter the number of shipments.

Orders going to **Alaska, Hawaii** and **APO/FPO** go Priority Mail; provide a **mailing** address and pay 20% of Adjusted Total ($14 minimum).

going to:	Adj. total:	shipping charge:
continental US	up to $70 over $70	$7 10% of Adjusted Total
AK, HI, APO/FPO	up to $70 over $70	$14 20% of Adjusted Total

Sorry, no shipments to Canada.

Early Shipping begins early September (pages 14-16 only, item numbers begin with E).

Main Shipment of most items begins around Sept. 26 and ends around Oct. 12. Please contact us if you've not received your main shipment by Oct. 23.

Late Shipping begins the last week of October (pages 6-7 only, items begin with Z).

Pickup Information

Pick up your order, shop for surplus bulbs, or browse our selections of perennials and woody plants at our **Fall Bulb and Plant Sale** on **Saturday, Oct. 13**, from 9am-3pm, at our warehouse at 213 Hinckley Rd, Clinton, Maine. We'll send a postcard with directions and your order number in late September. Pickups pay no shipping charges.

Check our website after 10/1/18 for details.

Substitutions

Most people prefer getting bulbs to getting a refund. If a variety becomes unavailable, we follow this protocol, unless you indicate "No" substitutions:

For flowerbulbs and Eco-grown garlic -

We will substitute a variety of similar color, form and season, if available.

For organic garlic -

We will substitute the same variety but Eco-grown (not *certified* organic) and refund any price difference.

If that's not available, we'll substitute certified organic stock of similar type and refund any price difference.

If neither is available, we'll substitute Eco-grown of a similar variety and refund any price difference.

Order form missing? Download another from fedcoseeds.com/bulbs/requests.htm

Fedco Bulbs 2018

PO Box 520 Clinton, ME 04927
www.fedcoseeds.com

(from mailing label) CC - ______________________________

Name ______________________________

Farm or Group Name ______________________________

Deliver this order to: (We ship by Priority Mail or UPS ground, our choice based on weight.)

US Mail: ______________________________

Town ______________________________ St ______ Zip ____________

UPS (include road name)**:** ______________________________

Town ______________________________ St ______ Zip ____________

phone ______________________________

email ______________________________

Volume Discounts
if received by 8/17/18
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

Early shipment
& main order items
may be combined
for volume discounts.

Choose a delivery option: ✔
UPS or Priority Mail ☐
Pickup Saturday 10/13/18 ☐
We need your address even if you are planning to pick up your order.

Will you accept substitution of ...	Yes	No
• flowerbulb or garlic variety?	☐	☐
• Eco-Grown for Organic garlic?	☐	☐

If you don't check any boxes, and something is unavailable, we will substitute. See facing page.

Subtotal from other side	
Volume Discount from **Subtotal**	–
1% Member Discount from **Subtotal**	–
Adjusted Total	=
Maine addresses and pickup orders **only** Add 5.5% **Sales Tax**	+
← **Shipping**	+
Grand Total	=

Ship to	Adjusted Total	
continental US	up to $70	**$7, minimum**
	over $70	10% of **Adjusted Total**
AK, HI, APO/FPO	up to $70	$14
	over $70	20% of **Adjusted Total**

Last date to earn volume discounts is Friday, August 17.
Last date to order early shipment items (pp 14-16) is August 17.
Last date to order for 2018 is Friday, August 31.

☐ Donate all my refund to MOFGA
☐ Donate up to $5.00 ☐ Donate up to $2.00

We accept Visa, MasterCard, AmEx, Discover — $25 minimum, please.

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Exp. Date

☐☐ ☐☐ security code: ________

Fedco Bulbs 2018

Use this form for both early shipment and regular items. Keep a copy for your records.

	Item #	Number of packages	Number of bulbs	Description	Price per package	Total price
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
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21						
22						
23						
24						
25						
26						

Subtotal

must be $10 or more

8/17/18: deadline for discounts and for ordering early shipment items.
8/31/18: final order deadline.

At **fedcoseeds.com/bulbs/** you can check for sold-out varieties, read additional information about flowerbulbs, or order online.

Narcissus

Daffodils can be found in Maine and in other rural areas around the foundations of abandoned homesteads, because they return year after year as long as the soil is well drained and the foliage is not cut until it has completely died back. Deer will not eat them, as they are toxic. Cheerful, reliable and dependable for beds, borders, cutflowers, forcing, and naturalizing.

Narcissus thrive in full sun and in dappled shade. Pink, orange and red varieties hold their color longest during cool wet springs. In a dry season, water late varieties in mid spring to ensure bloom. But for a few noted exceptions, Narcissus grow well in Zones 3-8.

Narcissus Mixes

Pink Mix - Field-grown mix of lovely shades and shapes of pink cups with white petals, to last all season. Mostly Large Cups, some Doubles and Trumpets; may include ‘Salomé’ whose cup opens yellow and turns soft pink with a golden rim. 12-18", ES-MS. Landscape size.

6501-A: 10 for $7.00 *6501-B: 20 for $11.25*
6501-C: 50 for $25.90 *6501-D: 200 for $94.00*

Sunshine Mix - From some bright and creative mind comes this mix with sunny two-toned cups. Large Cup narcissus of all colors are enhanced by cheery cup rims in red, orange or pink. An outstanding show of mid-season blooms. 14-18", ES-MS. Landscape size.

6502-A: 10 for $5.50 *6502-B: 20 for $8.75*
6502-C: 50 for $20.25 *6502-D: 200 for $73.00*

Butterfly Mix - Shades of white, yellow, orange and gold, many with sunbursts of color radiating from bicolor coronas. Softly ruffled Papillon Split Coronas. 14-18", MS-LS. Landscape size.

6503-A: 5 for $4.00
6503-B: 10 for $6.40
6503-C: 25 for $14.75
6503-D: 100 for $53.00

Mixed Doubles - A round-robin mix of six or more Double narcissus varieties to ace the display, in the garden or on the tabletop, with perfect through-the-season performance. 12-18", ES-LS. Landscape size.

6504-A: 5 for $4.25 *6504-B: 10 for $6.80*
6504-C: 25 for $15.65 *6504-D: 100 for $51.00*

Fragrant Mix - A mix of sweetly scented hardy narcissus. Great for aromatic daffodil bouquets. Selected varieties, mostly Large Cup, Tazetta and Poeticus, to impart an inspiring fragrance to outdoor bowers and indoor vases. 14-18". Bloom times will vary. MS-LS. Landscape size.

6505-A: 10 for $6.20 *6505-B: 20 for $9.85*
6505-C: 50 for $22.65 *6505-D: 200 for $85.00*

Rockgarden Mix - Small varieties for borders and rockgardens provide a season-long banquet of blooms. Includes Jonquilla, Cyclamineus, Triandrus and more. Zones 4-9, 4-16", ES-LS. Topsize by variety.

6506-A: 10 for $5.00 *6506-B: 20 for $8.15*
6506-C: 50 for $18.75 *6506-D: 200 for $68.00*

Landscape Mix - If you’re looking for a large splash of springtime inspiration that will last year after year, dig into our Landscape Mix, for naturalizing and borders. Mostly Trumpets and Large Cups, with hardy varieties from other classes. 12-18", ES-MS. Landscape size.

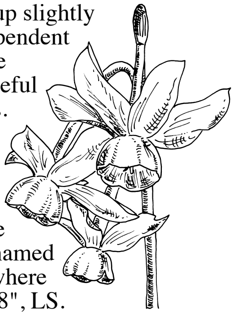
6507-A: 10 for $5.95 *6507-B: 20 for $9.50*
6507-C: 50 for $21.85 *6507-D: 200 for $73.00*

Narcissus are hardy in Zones 3-8 (except as noted). Descriptions end with approximate height at flowering time, and relative bloom time.

— Short Narcissus —

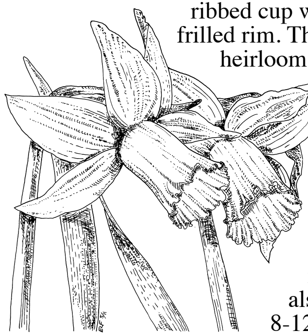
‘Tête Bouclé’ - Doubled rows of bright yellow petals interspersed with a fully doubled center of yellow and yellow-orange petaloid segments. A sport of Tête-à-Tête that looks like a decorative-type dahlia—but not really “curly” (*bouclé* means curly). An excellent addition to the rock garden. 6-10", ES-MS. 4Y-YO.

6508-A: 5 for $5.65 *6508-B: 10 for $9.00*
6508-C: 25 for $20.85 *6508-D: 100 for $71.00*



‘Hawera’ - Pale lemon-yellow miniature has 5–8 flowers per stem, cup slightly paler than perianth. Dainty pendent flowers have an airy delicate appearance that evokes graceful dancing fairies or butterflies. Sweetly scented, one of the smallest and most versatile narcissus. In a cool rainy year, in one dappled shade spot, they opened a very late June 20. ADS miniature is named for the New Zealand town where the breeder was a doctor. 6-8", LS. 5Y-Y. ✦¢✦

6509-A: 5 for $2.90 *6509-B: 10 for $4.65*
6509-C: 25 for $10.70 *6509-D: 100 for $39.00*

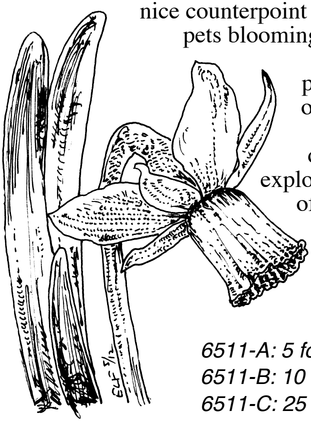


‘February Gold’ - Rich golden-yellow reflexed petals surround a deeper yellow long cylindrical ribbed cup with a notched and frilled rim. This award-winning heirloom from before 1923 is often the very first narcissus to bloom, in the garden or the sod, but not in February here in Maine. At its best in cool weather, it also tolerates shade. 8-12", ES. 6Y-Y.

6510-A: 5 for $3.60 *6510-B: 10 for $5.75*
6510-C: 25 for $13.25 *6510-D: 100 for $45.00*

Narcissus descriptions end with USDA hardiness zones (if other than Z3-8), approximate height at flowering time, relative bloom time, and division number (see p. 24) with color code: Petal color–Cup color. More than one letter for cup color describes color from base to rim. **W**hite, **Y**ellow, **P**ink, **O**range, **R**ed, **G**reen. ✦¢✦ indicates an exceptionally good deal.

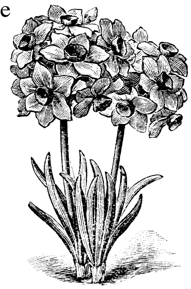
‘Jetfire’ - Long bright-orange ribbed cup, and reflexed golden-yellow petals. Slightly scented, good for forcing, tolerates shade and makes a nice counterpoint to the large Trumpets blooming at the same time. Susan’s first-year planting was vigorous and floriferous, and Joanna’s decades-old clump explodes with hundreds of flowers. This fire really lights up the garden, and should burn a place in yours. 6-10", ES. 6Y-O.



6511-A: 5 for $3.30
6511-B: 10 for $5.25
6511-C: 25 for $12.15
6511-D: 100 for $44.00

‘Sun Disc’ - Award-winning fragrant miniature has 1–3 flowers per stem. Rounded overlapping petals open just slightly paler yellow than the cup, and slowly mature to a Jersey cream. Wide disc-shaped buttercup-yellow cup is lightly ribbed, lightly frilled. At 6-8", just right for pots or the front of the border. MS-LS. 7Y-Y.

6512-A: 5 for $3.30 *6512-B: 10 for $5.25*
6512-C: 25 for $12.15 *6512-D: 100 for $43.00*

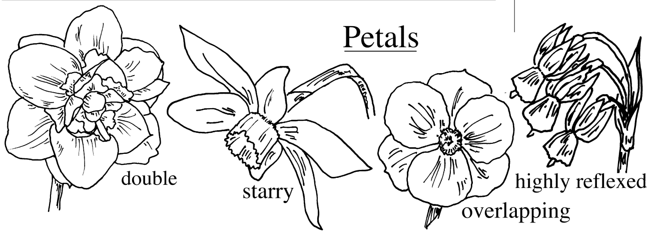


‘Minnow’ - Small flowers with buttercup-yellow cups; spreading petals are white to pale yellow, depending on weather and season. Usually 3–10 flowers per stem, but can be up to 20. Tazetta has light sweet fragrance, nowhere near as strong as its paperwhite cousins. Tolerates shade. ADS miniature. Z5-9, 6-8", ES-MS. 8W-Y.

6513-A: 5 for $2.25
6513-B: 10 for $3.55
6513-C: 25 for $8.15 *6513-D: 100 for $29.00*

Michael Phillips recommends using daffodils in the orchard to deter mice and voles from girdling trees. Plant bulb-to-bulb in a tight circle about a foot away from tree trunks.

Petals



Golden Bells - Tiny little starry golden petals practically buried behind an inch-long golden-yellow cup shaped like a megaphone, with a narrow base and wavy flaring mouth. One parent was a seedling of the old 'Hoop Petticoat' *N. bulbocodium*, and Golden Bells is an improved version. Popular tucked in beside shrubs, or as a ground cover, especially in the South. ADS miniature. 4-6", MS-LS. 10Y-Y.

6514-A: 5 for $4.00
6514-B: 10 for $6.40
6514-C: 25 for $14.75
6514-D: 100 for $54.00

'Tête-à-Tête' - Buttercup-yellow petals, slightly reflexed, with a deeper orange-yellow cup. Generally 2–3 flowers per stem. Very popular, vigorous, and easy to grow; good for forcing and naturalizing. The name is said to be a pun; a breeder named Tait provided the plants from which this was bred. ADS miniature registered in 1949. 5-8", ES-MS. 12Y-Y.

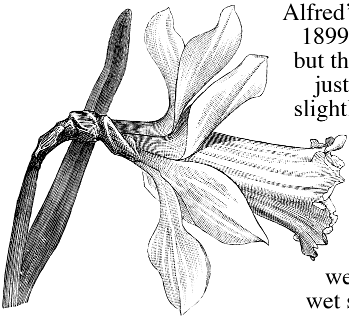
6515-A: 5 for $2.40
6515-B: 10 for $3.80
6515-C: 25 for $9.00
6515-D: 100 for $32.00

All Narcissus are Topsize bulbs except as noted.

- Topsize bulbs are the largest size available on the regular bulb market each season for each variety.
- Landscape size bulbs are smaller than topsize, but are not the smallest size.
- Exhibition size are developed to produce spectacular displays for spring flower exhibitions.

— Trumpet Narcissus —

'Dutch Master' - The Trumpet Master has large yellow petals and a straight trumpet with a flared and notched rim. 'King Alfred', introduced in 1899, has the name, but this 1938 intro is just as prolific and slightly taller, with a longer bloom time, and more flowers per bulb. Bloomed for nearly three weeks in the cool wet spring of 2011. 18-20", ES-MS. 1Y-Y.



'Dutch Master' - Exhibition size - The case where bigger really is better. 18cm/up giant bulbs grown in the U.S.

6516-A: 5 for $9.00 *6516-B: 10 for $14.50*
6516-C: 25 for $33.50 *6516-D: 100 for $115.00*

'Dutch Master' - Topsize bulbs, 16cm/up.

6517-A: 5 for $4.25 *6517-B: 10 for $6.80*
6517-C: 25 for $15.65 *6517-D: 100 for $53.00*

'Dutch Master' - Landscape size, 14-16cm.

6518-A: 10 for $6.00 *6518-B: 20 for $9.60*
6518-C: 50 for $22.40 *6518-D: 200 for $71.00*

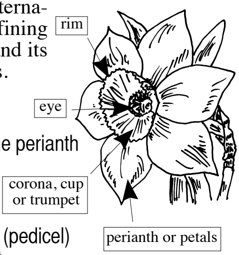
'Mt. Hood' - Opens marble white to slightly pale yellow, and turns to pure white in a day or two. Broadly overlapping petals and a wide-mouthed wavy-edged trumpet. From 1938, this classic Trumpet is one of the finest white daffodils. Z3-6, 15-17", MS. 1W-W.

6519-A: 5 for $5.90 *6519-B: 10 for $9.50*
6519-C: 25 for $21.75 *6519-D: 100 for $69.00*

more Tall Narcissus, next page

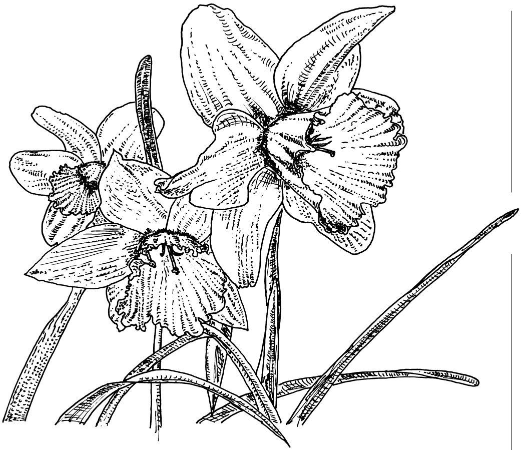
Divisions of Narcissus or Daffodils

All daffodils are classified into one of 13 divisions by the Royal Horticultural Society, international authority for Narcissus. The first 12 are all cultivars, the last is botanicals. Defining features include the number of flowers per stem; the size and shape of the flower's cup and its surrounding petals and the ratio between them; or evidence of traits from a parent species.



division	name	flowers/stem	defining characteristics of flowers
1	Trumpet	1	corona (trumpet) as long as, or longer than, the perianth
2	Large Cup	1	corona (cup) more than 1/3 but less than the full length of the perianth
3	Small Cup	1	corona (cup) less than 1/3 the length of the perianth
4	Double	1+	doubling of perianth or corona or both
5	Triandrus*	~2+	pendent flowers with reflexed (back-swept) perianth
6	Cyclamineus*	1	highly reflexed perianth, usually a long cup, on a short neck (pedicel)
7	Jonquilla*	1-5	perianth spreading or reflexed, cup wider than long, fragrant
8	Tazetta*	~3-20	perianth segments spreading, not reflexed, small cup, fragrant
9	Poeticus*	1	white perianth, very small cup with a red rim and green or yellow eye; fragrant
10	Bulbocodium*	1	small insignificant petals, teacup corona
11	Split Cup	~1	includes Collar & Papillon (French for 'butterfly'); corona split more than half its length
12	Other	na	do not fit the definition of any other division, forms vary widely
13	Species	na	distinguished by botanical name; wild species and variants (not offered by us)

*Cultivars in these classes show characteristics from that species, e.g. *Narcissus triandrus, N. poeticus*.



— Large-Cup Narcissus —

‘Carlton’ - Yellow petals back a deeper golden-yellow cup nearly long enough to be a trumpet. Said to be the world’s most planted narcissus. Multiplies rapidly, and has a light vanilla fragrance. 18-20", ES-MS. 2Y-Y.

6520-A: 5 for $3.60
6520-B: 10 for $5.75
6520-C: 25 for $13.25
6520-D: 100 for $48.00

‘Cool Flame’ - Ruffled and flaring, the sun-fast coral-pink wide cup sets off smartly against brilliant cool-white petals. Long flower stalks hold the flowers well above the foliage. Reliable, long-lived perennial, and fabulous for the vase. 16-18", MS. 2W-P.

6521-A: 5 for $4.40
6521-B: 10 for $7.00
6521-C: 25 for $16.00
6521-D: 100 for $59.00

‘Fortissimo’ - Huge impressive golden-yellow overlapping petals with a giant-sized lightly frilled cup which opens apricot and turns deep burnished orange. Enormous flowers are vigorous in full sun, providing armloads for your vase and wows from your friends. 18-20", ES-MS. 2Y-O.

6522-A: 5 for $6.25
6522-B: 10 for $10.00
6522-C: 25 for $23.00
6522-D: 100 for $84.00

‘Ice Follies’ - Heavily ribbed very wide cup opens yellow, soon becomes creamy white, with a frilled and notched rim. Pure white perianth. The second-most popular narcissus worldwide. Good for forcing and naturalizing. 16-18", ES-MS. 2W-W.

‘Ice Follies’ - Topsize bulbs, 16cm/up.

6523-A: 5 for $4.50
6523-B: 10 for $7.25
6523-C: 25 for $16.75
6523-D: 100 for $61.00

‘Ice Follies’ - Landscape size, 14-16cm.

6524-A: 10 for $5.75
6524-B: 20 for $9.50
6524-C: 50 for $22.00
6524-D: 200 for $75.00

‘Pink Charm’ - Ivory petals and a creamy white cup with a broad rim of deep coral-pink. Fluted cup has a ruffled rim to add to the charm. Some stems may have two flowers, unlike most members of this class. ADS Wister award in 2017. 16-18", MS, 2W-WWP. **BACK!**

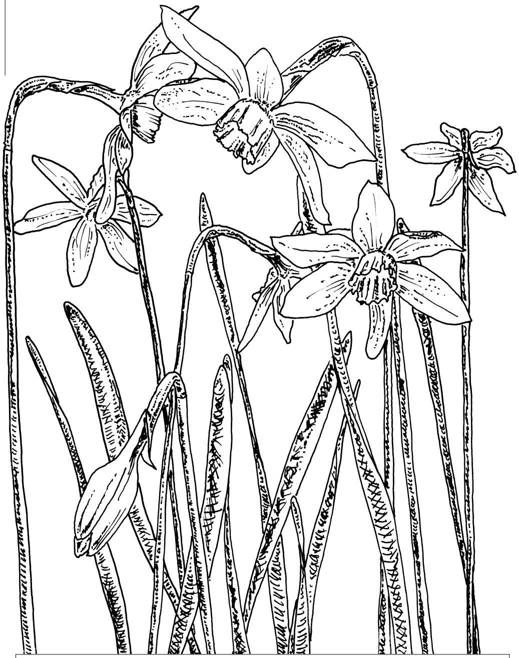
6525-A: 5 for $3.75
6525-B: 10 for $6.00
6525-C: 25 for $13.80
6525-D: 100 for $54.00

‘Professor Einstein’ - Scarlet-orange cup forms a broad, open disk with fine ridges and a lightly notched rim. Rounded overlapping brilliant white petals. Plant in partial shade for best color. Registered in 1946, the Professor won multiple awards in the 1950s. 12-18", MS. 2W-R.

6526-A: 5 for $4.20
6526-B: 10 for $6.75
6526-C: 25 for $15.50
6526-D: 100 for $58.00

‘Stella’ - Distinctly starry flowers feature white petals spreading out from a ribbed yellow cup with a lightly frilled rim. Petals open soft yellow and quickly turn white. Sara brought these sturdy lovelies to Maine in the early ’60s and we listed them for years as **Sara’s Stars**. We tentatively ID’d them as ‘Stella Superba’ from 1899. But the petals weren’t quite right, and now we think this is the original ‘Stella’ from England before 1869. 12-14", MS, 2W-Y. Landscape size. **Eco-grown, Maine Grown. BACK!**

6527-A: 5 for $5.00
6527-B: 10 for $8.50

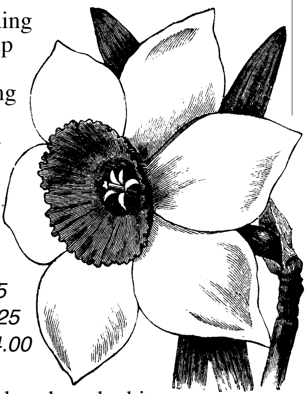


Narcissus descriptions end with USDA hardiness zones (if other than Z3-8), approximate height at flowering time, relative bloom time, and division number (see p. 24) with color code: Petal color–Cup color. More than one letter for cup color describes color from base to rim. **W**hite, **Y**ellow, **P**ink, **O**range, **R**ed, **G**reen. ✦¢✦ indicates an exceptionally good deal.

— Small-Cup Narcissus —

'Altruist' - Eye-catching red-orange shallow cup and unusual amber-tinted petals. Appealing color combination opens dark and gradually lightens. 1975 Award of Merit winner. 12-18", MS-LS. 3O-R. **BACK!**

6528-A: 5 for $5.50
6528-B: 10 for $8.75
6528-C: 25 for $20.25
6528-D: 100 for $74.00



'Princess Zaide' - Elegant specimen displays broad white overlapping petals and a small white cup. Shallow, strongly ribbed cup has a wide frilly rim and a green gleam in its eye. 16-20", M-LS. 3W-GWW.

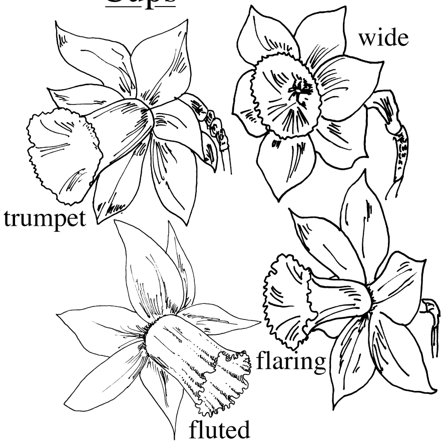
6529-A: 5 for $5.75 *6529-B: 10 for $9.50*
6529-C: 25 for $22.00 *6529-D: 100 for $75.00*

— Double Narcissus —

'Obdam' - One of the finest of the doubles and my partner Diana's favorite, named for a town in the province of Noord-Holland. Fragrant, showy 3-4" flower opens creamy with yellow highlights, maturing to pure white. This sport of 'Ice Follies' is like having sweet-smelling gardenia blooms in early May. 16-18", MS-LS. 4W-W.

6530-A: 5 for $5.10 *6530-B: 10 for $8.15*
6530-C: 25 for $18.75 *6530-D: 100 for $69.00*

Cups



Daffodils make great cutflowers, and last a long time in the vase. But the freshly cut stems exude a sap that clogs the pores of other types of flowers, so if you want a mixed arrangement, place the stems in a container of cool water to soak for 12 hours or overnight.

'Rosy Cloud' - Large double flowers 4" across have wavy pale pink cup segments, each lightly touched with gold, interspersed with creamy petal segments and completely filling the center of the flower; all framed by a creamy white perianth. This long-lasting beauty is great for cutting. Div. 4 14-18", MS-LS. **BACK!**

6531-A: 5 for $4.50 *6531-B: 10 for $7.25*
6531-C: 25 for $16.75 *6531-D: 100 for $61.00*

'Sir Winston Churchill' - Double flowers 3" across are full of creamy white petals interspersed with orange flecks. Fragrant blossoms come 3-5 per stem. A sport of 'Geranium' and a sturdy robust blast-resistant grower. Long-lasting in garden or vase. 14-16", MS. 4W-O.

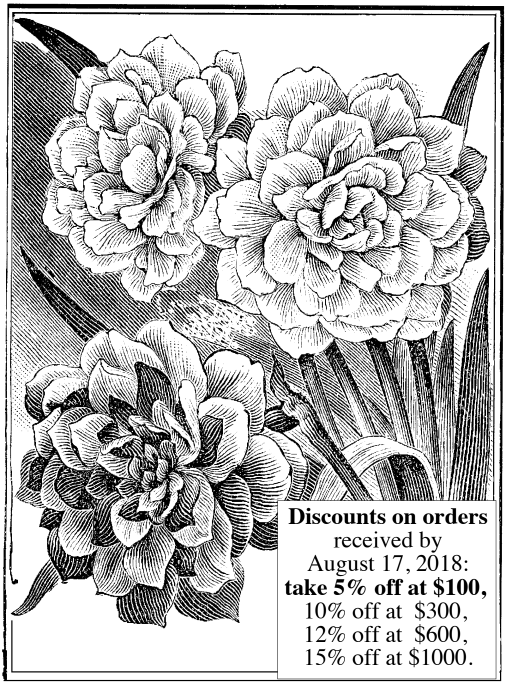
6532-A: 5 for $5.50 *6532-B: 10 for $8.75*
6532-C: 25 for $20.25 *6532-D: 100 for $74.00*

'Tahiti' - Rich golden-yellow doubled perianth layered with lush bright gold and red-orange segments. Large long-lasting blooms with standout color and fragrance come as close to tropical exuberance as you'll find in a New England spring. Bred in Ireland in 1956, 'Tahiti' is a classic worldwide. 14-18", MS-LS. 4Y-O.

6533-A: 5 for $3.85 *6533-B: 10 for $6.15*
6533-C: 25 for $14.15 *6533-D: 100 for $48.00*

'Yellow Cheerfulness' - Soft yellow gardenia-like double blooms, 2½" across, with subtle flecks of soft orange and a sublime scent. 2-4 per stem. Sport of 'Cheerfulness' introduced in 1937. 14-18", LS. 4Y-Y.

6534-A: 5 for $4.00 *6534-B: 10 for $6.40*
6534-C: 25 for $14.75 *6534-D: 100 for $51.00*



Discounts on orders
received by
August 17, 2018:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

— Specialty Narcissus —

'Thalia' - Lightly fragrant flowers are milky white throughout; one of the few white narcissus to open with no yellow tones. Delicate narrow slightly reflexed petals and a lightly ribbed cup with a wavy rim. 2-3 flowers per stem (occasionally 4-5), and slender foliage. The award-winning "Orchid Narcissus" is more outward-facing than other Triandrus. Registered in Holland before 1916 and named for the Greek muse of idyllic poetry, Thalia is a long-lived favorite of many gardeners. Excellent for forcing. 12-16", MS-LS. 5W-W. ✦¢✦

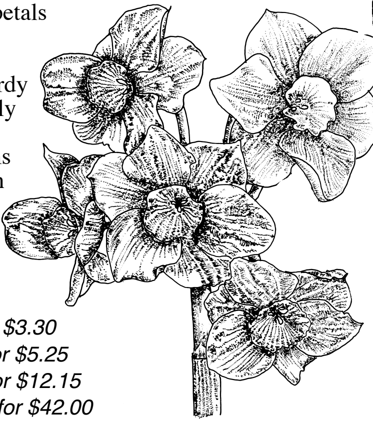
6535-A: 5 for $2.90 *6535-B: 10 for $4.60*
6535-C: 25 for $10.70 *6535-D: 100 for $38.00*

'Geranium' - Bright white overlapping petals with a smallish shallow vivid red-orange cup. Bred in 1930, this hardy outdoor Tazetta forms heavy clusters of 3–6 outward-facing flowers. Prolific grower with sweet fragrance, excellent in garden or vase. Z3-9, 12-16", MS-LS. 8W-O.

6536-A: 5 for $3.85 *6536-B: 10 for $6.15*
6536-C: 25 for $14.15 *6536-D: 100 for $48.00*

'Martinette' - Bright carrot-orange short cup, ribbed with a wavy rim, completely surrounded by golden yellow overlapping petals stained pale orange at the base. This hardy Tazetta usually sends up multiple stems per bulb, with 4-5 highly fragrant blossoms per stem. 12-16", E-MS. 8Y-O.

6537-A: 5 for $3.30
6537-B: 10 for $5.25
6537-C: 25 for $12.15
6537-D: 100 for $42.00



Are they Daffodils, Jonquils, or Narcissi? Yes!

A friend said he'd been confused by the different terms he'd heard to describe these familiar flowers.

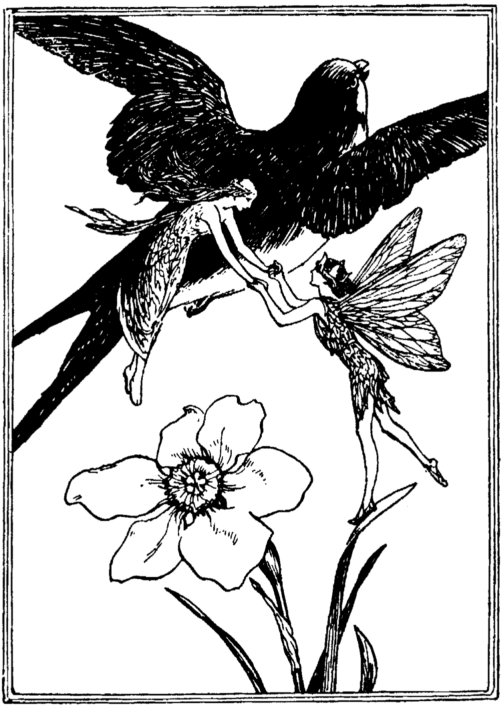
They are all in the genus Narcissus, so calling them that is perfectly fine, just as we say Crocus or Phlox.

Narcissus, Narcissuses and Narcissi are all acceptable plurals, so use the one you like saying.

'Daffodil' was first used in Wales and England to refer to certain wild forms. It is now used to refer either specifically to the Division I Trumpets, or generally to mean any type of Narcissus.

'Jonquil' is also used to refer generally to any type of Narcissus, especially in the South where jonquils thrive. Horticulturists use it to refer to the wild *Narcissus jonquilla* and its progeny, the Division 7 cultivars.

So, really, any of these terms are fine.



'Actaea' - Vigorous heirloom Poeticus variety from before 1919. Rounded glistening white petals surround a small shallow red-rimmed yellow cup. Large flowers with sweet fragrance. Performs much better in cool climates than warm and tolerates damp places other narcissus can't. Parent species *N. poeticus* was described by Virgil, and is the source of the narcissus oil used in perfumery. 16-18", MS-LS. 9W-YYR.

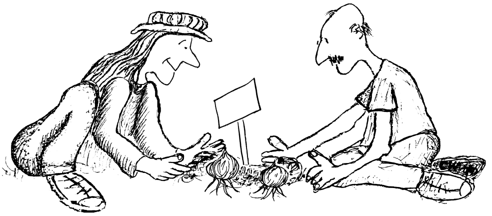
6538-A: 5 for $5.75 *6538-B: 10 for $9.50*
6538-C: 25 for $22.00 *6538-D: 100 for $81.00*

'Congress' - A broad orange flattened split cup fronts overlapping rounded bright yellow petals with a hint of green in them. This Split Cup variety opens with a yellow-gold center and becomes more orange with time, making for outstanding contrast. MS, 14-16". 11Y-O. **NEW!**

6539-A: 5 for $5.75 *6539-B: 10 for $9.50*
6539-C: 25 for $22.00 *6539-D: 100 for $80.00*

Bulbs Unattractive to Pests

Allium
Camassia
Chionodoxa
Dutch Iris
Eranthis
Erythronium
Fritillaria
Galanthus
Hyacinthoides
Hyacinth
Ipheion
Leucojum
Muscari
Narcissus
Puschkinia
Scilla



Planting Bulbs

All the varieties of outdoor bulbs we offer are suitable planted outdoors somewhere in Maine. With the climate changing, Waterville has been re-assigned from USDA Zone 4 to Zone 5. Fifty miles to the west in the mountains is still Zone 3; and fifty miles east or south, on the coast, is now Zone 6 or higher. Local cold (or warm) pockets, northern slopes, hills and lakes can all affect your micro-climate, and may make the large-scale maps printed by the USDA inaccurate for your plot. Your cooperative extension service may have maps showing local zones. You can use rock walls and heavy mulch to shift conditions to your advantage. We have seen some Zone 7 plants thriving in south-facing protected pockets in Zone 5.

Planning and Planting

Bulbs are easy to work with, very rewarding and forgiving. They look best planted in groups or clumps, naturalized in the sod, under trees, or in beds, borders or rock garden. Good drainage is essential; bulbs will grow poorly or rot if they are too wet.

Prepare beds by mixing a bulb fertilizer, bonemeal and wood ashes, or other phosphorus and potassium sources into the soil below the level of the bulbs. Mix in compost to lighten heavy soils and increase nutrients. Peat is acidic—use with caution. Although widely available, Holland Bulb Booster contains ingredients which are not approved for organic growers.

Plant bulbs pointed side up; generally the depth of the hole is three times the bulb's height. See the chart on this page showing suggested planting depth and spacing. Topdress the bed with compost.

Mulch your bulbs with 4-6" of leaves, bark, straw, etc. after the ground freezes. If you plant them next to your house, it's especially important to use the higher amount or more, as basement heat and reflected sunlight will likely remove the insulating snow cover, exposing them too early to alternating sunny days and freezing nights and damaging their growth tips.

Wherever they're planted, bulbs need insulation. You need to mulch (or plant extra-deep) unless winter will provide a consistent heavy snow cover. A good mulch can also give protection up to half a hardiness zone, enabling you to experiment with bulbs not quite hardy in your zone.

Do not remove the mulch too early in the spring. By keeping the soil from thawing, mulch prevents heaving and false starts in early warm spells, and delays flowering slightly for a more uniform and longer-lasting display. Remove mulch as the growth tips begin to peek through and dress the bed with compost or bulb fertilizer.

Pinch the blooms as they fade to discourage seed production and force the energy back into the bulb. This is especially important for tulips and hyacinths, which can otherwise lose their flowering vigor in 2-3 years.

Do not cut the foliage as long as it remains green; it produces the food for future blooms. Cut leaves only after they yellow. Sidedress with fertilizer or compost in late summer to mid-fall.

Flower Genus	Distance Apart	Planting Depth
ALLIUM, large	6-14"	4-8"
ALLIUM, small	1-4"	3-4"
ANEMONE blanda ‡	3-4"	2-3"
CAMASSIA	6-10"	4-6"
CHIONODOXA	1-3"	3-4"
COLCHICUM*	6-9"	4"
CROCUS	1-4"	3-4"
ERANTHIS ‡*	2-4"	2-4"
FRITILLARIA, large*	8-10"	6-8"
FRITILLARIA meleagris	4-5"	3-4"
GALANTHUS*	2-4"	3-4"
HYACINTH*	3-4"	5-8"
HYACINTHOIDES*	3-4"	3-5"
IPHEION*	1-3"	2-3"
IRIS, dwarf	1-4"	3-4"
IRIS, dutch	3-4"	6-8"
LEUCOJUM*	2-3"	2-3"
LILIUM*	6-18"	6-8"
LYCORIS	6-8"	4-6"
MUSCARI	2-4"	3-4"
NARCISSUS, Tall	4-6"	6-10"
NARCISSUS, Short	3-4"	4-6"
PUSCHKINIA	2-4"	3-4"
SCILLA	2-4"	3-4"
TULIPA, garden*	4-6"	6-10"
TULIPA, species	2-3"	3-4"

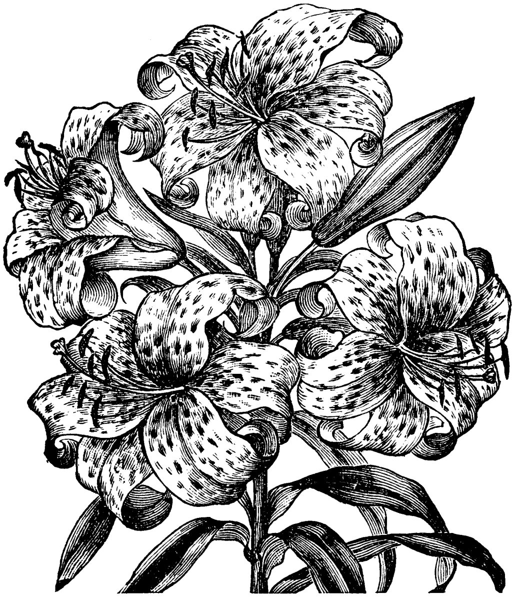
Use deeper depths for colder areas and in sandy soils.
*See description for additional planting information.
‡Corms: soak 24 hours before planting.

Troubleshooting

If squirrels, chipmunks or voles are a problem, try chicken wire or sharp gravel placed in the ground above and surrounding the bulbs. (Blood meal repels many critters, but it may also repel people and attract dogs, skunks or raccoons.) Or plant Narcissus, Allium, Fritillaria or Ipheion, which critters don't generally bother.

To disrupt squirrels' ability to "smell out" the bulbs in new plantings, we routinely dust the ground in those areas with black pepper and ground cloves right after planting in the fall and again in the spring when growth first emerges. The odor in the yard, reminiscent of chai, is a nice touch for us.

If after several years your bulbs produce leaves but not flowers, they may be suffering from overcrowding (dig in autumn, separate and replant), insufficient sun (move to new location), undernourishment (sidedress thoroughly) or marginal zone hardiness (give to a friend further south).



Lilies - *Lilium* Queens of the Perennial Border, excellent as bedding plants or cutflowers, lilies are wonderful either as individual specimens or in solid masses. These true lilies bear their large six-pointed flowers on erect unbranched stems. They do well in light shade, which will prolong summer blooms, or in full sun if mulched to keep the bulbs cool.

Since lily bulbs are not completely dormant when shipped, do not let them dry out before planting. Plant bulbs 6-8" deep, 6" apart in rich, well-drained slightly acid soil with good humus content. Z3-8.

'Mapira' - Asiatic hybrid. Reddish-maroon petals show a bit more red towards the tips and in the shade seem almost black at the center. We're glad to offer this all-dark Asiatic standout since 'Black Jack' has become unavailable. 30-36", MSu. 14-16cm. ✦¢✦

6551-A: 1 for $3.00 *6551-B: 3 for $7.30*
6551-C: 6 for $13.20 *6551-D: 12 for $23.00*

'Patricia's Pride' - Asiatic hybrid. Broad red-maroon eyezone on creamy white petals. Maroon spots scattered around the white throat and almost to the pale green center. Outer petals recurve a bit more than the inner petals. Outstanding contrast. 30-36", MSu. 14-16cm.

6552-A: 1 for $3.40 *6552-B: 3 for $8.15*
6552-C: 6 for $14.70 *6552-D: 12 for $25.00*

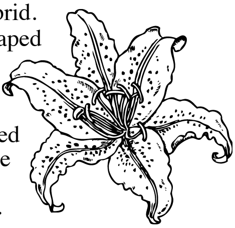
Asiatic Lily Mix - A passelful of colors to delight and brighten up the early to midsummer garden. Mix of yellows, reds, burnished oranges, whites and pinks. Solids or contrasting blushed petals and slightly recurving tips. As with most Asiatics, relatively upward-facing flowers and smooth or lightly ribbed texture. 30-39", MSu. 14-16cm. ✦¢✦

6553-A: 6 for $11.00 *6553-B: 12 for $19.50*
6553-C: 24 for $35.00 *6553-D: 48 for $65.00*

'Casa Blanca' - Oriental hybrid. Pure white petals with textured white specks and bobbing russet anthers. Petals broad in the center and recurved at the pointed tip. Their alluring fragrance fills the garden. 36-48", M-LSu. 16-18cm.

6554-A: 1 for $3.85 *6554-B: 3 for $9.25*
6554-C: 6 for $16.65 *6554-D: 12 for $28.00*

'Stargazer' - Oriental hybrid. Large 6-7" fragrant star-shaped flowers have deep rose-red slightly recurved petals with narrow white edge and a profusion of darker red spots. A familiar and choice specimen at late summer farmers' markets in Maine. 36-48", M-LSu. 16-18cm.



6555-A: 1 for $3.85 *6555-B: 3 for $9.25*
6555-C: 6 for $16.65 *6555-D: 12 for $28.00*

Oriental Lily Mix - The five or more varieties in this mix of Oriental hybrids will draw a crowd to your garden in August. Delight your guests with all-pinks, all-whites, bicolors with lighter borders, even some with spots! Great as cutflowers, or let them stand in display beds. 34-38", M-LSu. 16-18cm.

6556-A: 3 for $8.75 *6556-B: 6 for $14.25*
6556-C: 12 for $26.25 *6556-D: 24 for $49.00*

Discounts on orders
received by
August 18, 2017:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

To avoid pollen stains on tables or tablecloths, remove the pollen-bearing anthers of lilies, amaryllis and other flowers indoors.

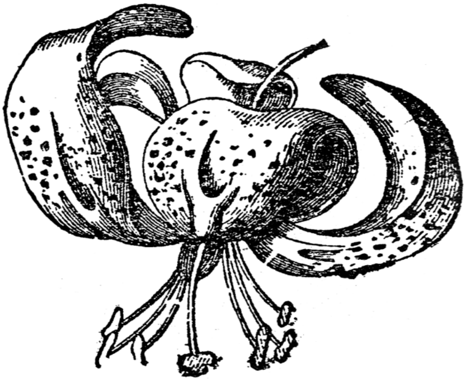
Martagon Lilies - *Lilium* x *martagon*

The species is *the* Turk's Cap Lily—martagon comes from a Turkish word meaning 'turban.' The Martagon hybrids, also called **Dragon Lilies**, feature recurved petals, often with marked spotting from the throat to the tips. The pendent flowers, on relaxed S-shaped pedicels branching from the central stalk, hang as if suspended in the air.

Loves filtered sunlight, or light to dappled shade, and brings welcome color to shady spots. Tolerates full sun only a few hours a day.

Plant martagons 12-18" apart in well-drained, even gravelly, slightly alkaline soil. Add compost or leaf mold, but no peat. Make the hole deep enough that the top of the bulb is about 4" below the soil. If you've got conifers, blueberries, or other signs of acid soil, a side-dressing of compost and lime after planting and each fall is beneficial.

Martagons don't like to be disturbed, and may appear to perform poorly or not at all the first season after transplanting, only to be fine in year two. After planting, mark the spot, mulch, then do not disturb. Refrain from poking around to check growth during year one, lest you set it back again. Established plants may put out up to 50 flowers. 30-32" the first few years, up to 48" in established plantings. Z4-9, 14-16cm.



'Claude Shride' - These 2½-3" reddish-maroon pendent flowers bear striking golden-orange anthers on rose filaments that extend well beyond the flower's face. Only slightly spotted. Petals recurve with an arch although not back into a tight pincushion shape. E-MSu.

6557-A: 1 for $5.50   *6557-B: 3 for $13.25*
6557-C: 6 for $23.85   *6557-D: 12 for $46.00*

'Manitoba Morning' - Medium rose petals, front and back, with burgundy spots surrounded by yellow emerging from the center and covering much of the fronts of the petals except the tips. Recurved 2½-3" pendent flowers with showy coppery anthers. E-MSu.

6558-A: 1 for $5.50   *6558-B: 3 for $13.25*
6558-C: 6 for $23.85   *6558-D: 12 for $46.00*

Lily Leaf Beetle

Also known as Scarlet Lily Beetle, *Lilioceris lilii*, this pest eats only Liliaceae. Infestations have increased in Maine in the past few years. We've heard of several techniques that may be worth your time, including daily vigilance in crushing or soaping grey larvae and removing red adults. Visit our website for details.

fedcoseeds.com/bulbs/lily/htm

SNOWDROPS
SCILLA SIBERICA

Miscellaneous Bulbs

is the name the Royal General Bulbgrowers Association in Holland (KAVB) gives to this large group of flowers. The expensive catalogs call them specialty or accent bulbs; some call them minor or dwarf bulbs (even though some of the fritillaries are huge!); Louise Beebe Wilder covered most in her 1936 classic *Adventures with Hardy Bulbs*. Whatever you call them, most are sweet, colorful, and completely welcome in spring.

Anemone blanda - Grecian Windflower

Enchanting short daisy-like flowers with 10-15 petals surrounding bright yellow centers. Does well as a ground cover in light shade and under deciduous trees. Forms compact clusters, with fern-like leaves. To break dormancy, soak corms in tepid water for 8-12 hours before planting 2-3" deep. Wild in southeastern Europe and Turkey, in scrub meadows and rocky crevices. Z5-9, 3-6", ES-MS. 5cm/up.

'Blue Shades' - Rich mixed shades of blue and violet.

6601-A: 10 for $3.75
6601-B: 20 for $6.00
6601-C: 50 for $13.80
6601-D: 200 for $49.00

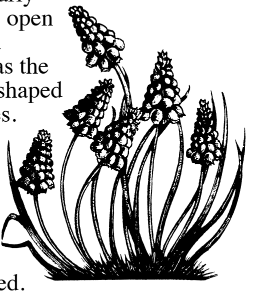
Anemone blanda Mix - Lovely flowers in a mix of shades of blue, pink and white. ✦¢✦

6602-A: 10 for $3.20   *6602-B: 20 for $5.00*
6602-C: 50 for $11.75   *6602-D: 200 for $42.00*

Miscellany continues, pages 36-39

Bellevalia paradoxa - Giant Grape Hyacinth

Dense spikes of bright navy blue buds, similar to grape hyacinths but nearly twice the size. Flowers open deep purple, sporting a narrow yellowish rim as the flower matures. Strap-shaped grey-green 8-18" leaves. Attractive to bees but not to deer. Great little fragrant cutflowers. Differs from Muscari in that the little flowers are slightly bell-shaped, not rounded.



Needs well-drained soil, sun to light shade. Allow the leaves to die back naturally to feed the bulb. Original range is the Caucasus from eastern Turkey to Iran. Z5-8, MS-LS, 8-12". 5cm/up. **BACK!**

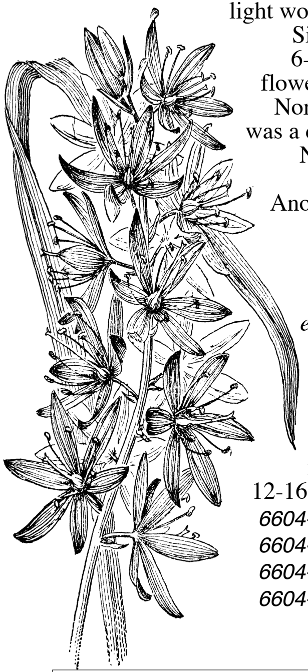
6603-A: 10 for $4.25
6603-B: 20 for $6.80
6603-C: 50 for $15.65
6603-D: 200 for $58.00

(see regular *Muscari* grape hyacinth, p. 39)

Camassia quamash - Indian Hyacinth

Full yet loose spikes of slender-petaled starry blossoms do well around ponds, in moist areas of light woods and the garden. Silvery medium-blue 6-petaled cup-shaped flowers on strong stalks. North American native was a dietary staple of the Nez Perce, Cree and Blackfoot tribes. Another name, **Camas**, and the Latin come from the Nez Perce word for 'sweet.' Formerly *C. esculenta*. Likes sun to partial shade. Blooms after most spring flowers are gone but before early summer flowers peak. Z3-8, 12-16", LS-ESu. 5cm/up.

6604-A: 10 for $3.00
6604-B: 20 for $5.00
6604-C: 50 for $11.50
6604-D: 200 for $40.00



Layer bulbs
for a parade of blooms

Create a full display, in the garden or in a container, by layering your bulbs.

Choose varieties of differing heights and bloom times for a full-season show.

See our website for details on how to plan and plant using this technique.

Chionodoxa - Glory-of-the-Snow

Starlike flowers with white centers, 3-10 per raceme; tending to grow on one side of the stem. Does well in shade, woodland gardens and short grass as well as full sun; can eventually form vast colonies. Native to woods and mountains of Crete, Cyprus and western Turkey. Z3-8, 4-8", ES. 5cm/up.

C. forbesii - Soft medium-blue petals, with white centers. Can spread to create a blue carpet for over two weeks in spring.

6605-A: 10 for $2.40
6605-B: 20 for $3.80
6605-C: 50 for $8.75
6605-D: 200 for $29.00

C. f. 'Alba' - Long-lasting all-white flowers. A lovely complement to other varieties, or wonderful in a mini-vase.

6606-A: 10 for $3.75
6606-B: 20 for $6.00
6606-C: 50 for $13.80
6606-D: 200 for $49.00

C. f. 'Pink Giant' - Blushing pink with white centers, sometimes bright pink at the edges.

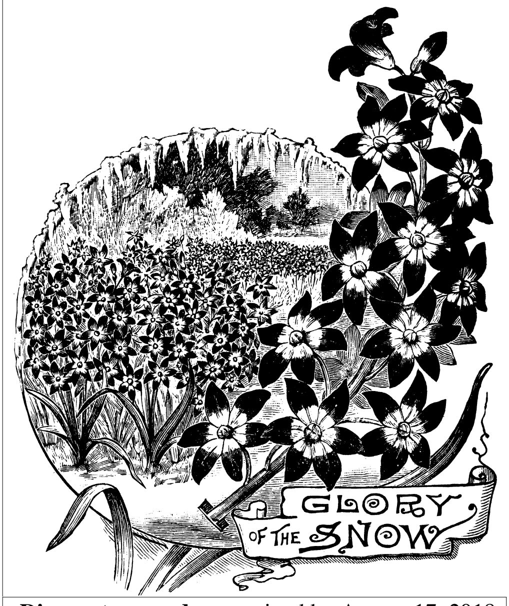
6607-A: 10 for $3.20
6607-B: 20 for $5.00
6607-C: 50 for $11.75
6607-D: 200 for $42.00

C. sardensis - Similar to *C. forbesii*, but a deeper flax blue and a smaller white eye. Slightly more diminutive but with more flowers and more color overall. Slightly longer and later bloom time. 3-6", ES-MS.

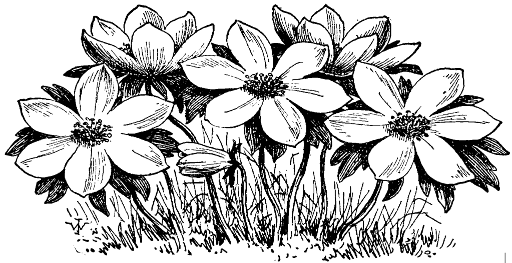
6608-A: 10 for $6.25
6608-B: 20 for $9.75
6608-C: 50 for $23.00
6608-D: 200 for $84.00

Glory-of-the-Snow mix - A mix of these long-lived snow- and critter-resistant stars, in shades of blue, violet, pink and white. **NEW!**

6609-A: 10 for $3.20
6609-B: 20 for $5.00
6609-C: 50 for $11.75
6609-D: 200 for $42.00



Discounts on orders received by August 17, 2018: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.



Eranthis cilicica - Winter Aconite

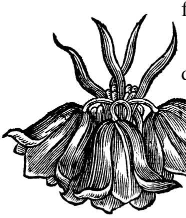
Bright buttercup-yellow flowers each with a frilly green collar which opens bronzy. Very similar to *E. hyemalis* but slightly earlier, leaves less deeply dissected. Good naturalized under deciduous trees and shrubs, can spread by seed. Prefers slightly alkaline, humusy moist soil in sun or dappled shade. Tolerant of frosts and late snows. Soak corms 8-12 hours before planting. Z5-7, 2-4", VE. 4cm/up. **BACK!**

6610-A: 10 for $5.25 *6610-B: 20 for $8.35*
6610-C: 50 for $19.25 *6610-D: 200 for $75.00*

Fritillaria - Fritillary or Mission Bells

Bell-like flowers in a variety of colors and sizes, often with the subtle checkered pattern that gives rise to the name of the genus (*fritillus* is a dice-box, in Latin).

F. imperialis - Crown Imperial



Striking cluster of 3-6 inverted bells, 2-3" long, hangs from a leafy crown atop a tall spike. Large basal whorl of glossy leaves. Likes full sun, requires good drainage. Plant the bulb sideways to prevent crown rot. Can be very long-lived if left undisturbed. Skunky odor of bulbs repels critters. In cultivation since 1500s, native northern India to Iran. Z5-7, 26-30", MS. 20cm/up.

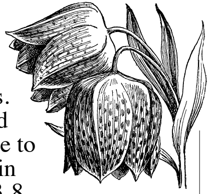
'Aurora Maxima' - Deep reddish-orange flowers, part of the 'Maxima' series.

6611-A: 1 for $6.25 *6611-B: 2 for $10.00*
6611-C: 3 for $13.85 *6611-D: 12 for $49.00*

'Lutea Maxima' - Clear lemon-yellow flowers with light purple veining.

6612-A: 1 for $6.70 *6612-B: 2 for $10.75*
6612-C: 3 for $14.95 *6612-D: 12 for $53.00*

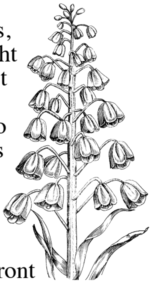
F. meleagris - Guinea-Hen Flower



Checkered 1½" flowers are usually plum or bronze, but some are lilac-pink or white. Delicate single bells hang on slender grey-green grasslike stems. Will spread in a well-drained sheltered spot; also suitable in borders, grassy or humusy areas. Also called **Checkered Lily** and **Snake's Head Fritillary**. Native to Europe where it grows all over in meadows and along streams. Z3-8, 10-14", MS. 6cm/up.

6613-A: 10 for $3.45 *6613-B: 20 for $5.50*
6613-C: 50 for $12.65 *6613-D: 200 for $44.00*

F. persica - Persian Bells



Dusky plum-purple slender 2-3" bell-shaped flowers on tall spikes, sort of like a dark foxglove. Bright silvery-green foliage. Light sweet smell, unlike some other fritillaries, but still unattractive to deer. Handsome in groups, but as the attractive flowers can be difficult to see against a dark background, plant them among yellow, pink or white tulips or other light-colored plants, or in front of a light-colored wall or building. Also called **Persian Lily**. Native to southern Turkey, western Iran, Iraq, Israel and Jordan. With protection, Z5-8, 24-40", MS. 20cm/up.

6614-A: 1 for $6.70 *6614-B: 2 for $10.75*
6614-C: 3 for $14.95 *6614-D: 12 for $53.00*

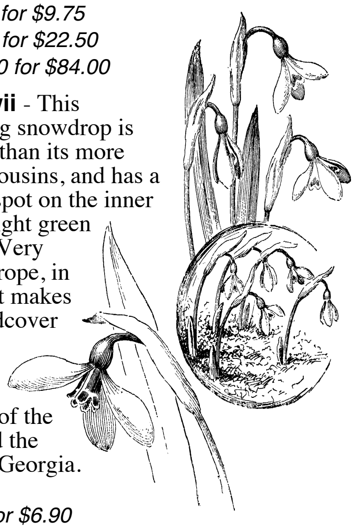
Galanthus - Snowdrops

Delicate frosty white 3-petaled bells with a touch of emerald green on the shorter inner segments. Snowdrops are usually one of the first signs of life emerging from the melting snow, even before crocuses. Very hardy and long-lasting, standing up to late snows, frosts and stiff spring winds. Fleshy grass-like grey-green leaves reach to 8-10" as flowers peak. Prefers partial shade and heavy soil, tolerates moist soil; a cool spot in a woodland garden is perfect. Can naturalize in border or lawn. Grows wild in open woods from the Pyrenees to the Caucasus. Z3-8, VE. 5cm/up.

G. nivalis var. Flore Pleno - Double Snowdrop

Fully doubled 1-1¼" wide-spreading pendent flower bell is completely filled with petals. Sterile, increases from offsets. This charming variety really packs the petal power! 3-4" tall.

6615-A: 5 for $6.15
6615-B: 10 for $9.75
6615-C: 25 for $22.50
6615-D: 100 for $84.00



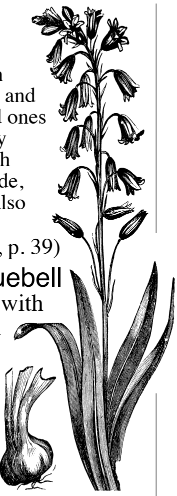
G. woronowii - This

clump-forming snowdrop is slightly taller than its more well-known cousins, and has a bigger green spot on the inner petals, and bright green shiny leaves. Very popular in Europe, in part because it makes a nicer groundcover than most snowdrops. Native to the eastern shore of the Black Sea and the mountains of Georgia. 4-6" tall.

6616-A: 10 for $6.90
6616-B: 20 for $11.00
6616-C: 50 for $25.30
6616-D: 200 for $92.00

Hyacinthoides - Bluebells

Bell-shaped pastel flowers on graceful racemes, similar to Scilla, but taller, with larger flowers, later to bloom. Self-seeds and forms new bulbs each year to replace old ones that shrivel. Some gardeners occasionally experience skin irritations on contact with flowers or foliage. Bluebells tolerate shade, moisture and a wide range of soils, and also do well in full sun.
(see also *Mertensia* Virginia bluebells, p. 39)



H. hispanica Mix - Spanish Bluebell

Nodding clusters of lovely 3/4" bells with wide mouths and reflexed tips on all sides of sturdy stems. Pastel mix of blue, pink, and white; makes good cutflowers. The late-spring blooms are also excellent for hiding foliage of early bulbs. Also called **Wood Hyacinth**. Native to Spain and Portugal. Z3-9, 8-12", LS. 8cm/up.

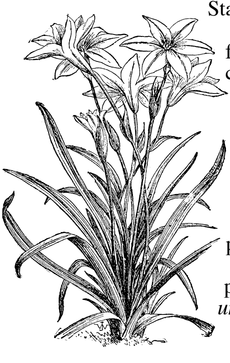
6617-A: 10 for $5.25 6617-B: 20 for $8.35
6617-C: 50 for $19.25 6617-D: 200 for $71.00

H. non-scripta - English Bluebell

Flax-blue flowers, sweetly scented, with 1/2-3/4" petals, narrower than Spanish Bluebell, with curled-back tips. Arching racemes with flowers on one side grow 4-8" above glossy green leaves. Native to western Europe and England, where bluebells bloom under deciduous trees not yet leafed out to form beautiful "bluebell woods." Z5-8, 12-18", MS. 6cm/up.

6618-A: 10 for $6.00 6618-B: 20 for $9.55
6618-C: 50 for $21.95 6618-D: 200 for $83.00

Ipheion uniflorum - Spring Starflower



Starry 1" flowers, strongly honey scented. Several single-flowered stems arise from each critter-resistant tuber. Easy and attractive, performs best when slightly crowded. Grass-like leaves emerge in fall, make good edging, and smell like garlic only if crushed. Excellent in rock garden or front of the border, good in pots or naturalized in moist but well-drained soil, full sun to partial shade. Formerly *Tritelia uniflora*. Native to Uruguay and Argentina. Z5-10, 4-6", MS-LS. 3cm/up.

I. uniflorum - Color develops from pale blue to soft violet with darker midribs. ✦¢✦

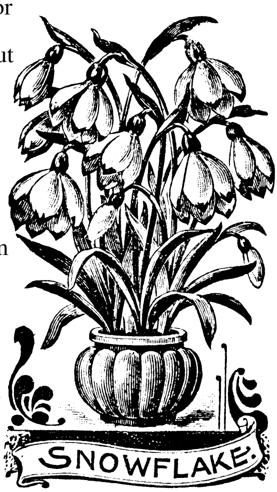
6619-A: 10 for $2.50 6619-B: 20 for $4.00
6619-C: 50 for $9.25 6619-D: 200 for $32.00

I. u. Mix - Sweetly scented low-growing flowers in a mix of colors: pale blue, medium blue, yellow, bluish-white and violet.

6620-A: 10 for $2.75 6620-B: 20 for $4.45
6620-C: 50 for $10.30 6620-D: 200 for $34.00

Leucojum aestivum var. Gravetye Giant
Summer Snowflake

Pure white bells with scalloped edges and green spots resemble Snowdrops, but the flowers are twice as big and the plant is three times as tall. The Summer Snowflake has 5-9 faintly violet-scented flowers per stem, evoking giant lilies-of-the-valley. Blooms for several weeks. Will spread in a damp—but not wet—location; prefers heavy soil and bright light, but not direct sun. Plant bulbs promptly lest they dry out. Also called **Lodden Lily**. Species is native from Ireland to the Caucasus; Gravetye Manor was the home and laboratory of William Robinson, 19th-century botanist and author of *The Wild Garden*. Z4-9, 18-36", LS. 12-13cm.

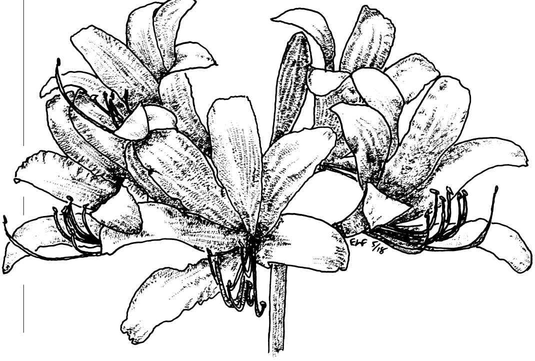


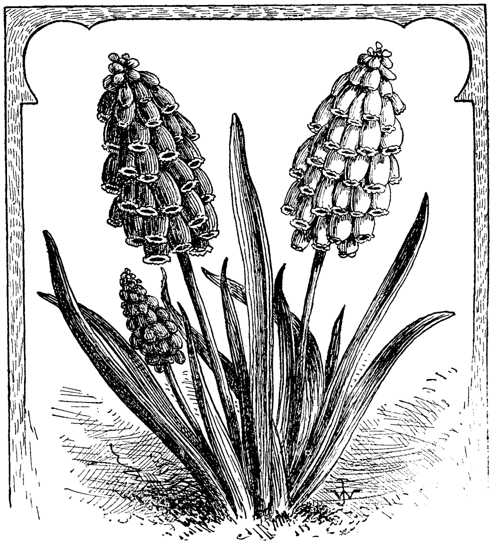
6621-A: 5 for $5.00 6621-B: 10 for $8.00
6621-C: 25 for $18.50 6621-D: 100 for $71.00

Lycoris squamigera - Magic Lily

A lush crop of leaves emerges in early spring bringing hopes of flowers, but one is soon distracted by early daffodils. The leaves die back, leaving nothing. Then, suddenly, around mid August, the 18-24" flowerstalk emerges from the ground and quickly blooms. Fragrant pink-mauve lily-like flowers are 3-4" long with slightly recurved tips. Almost tropical looking, they're great planted among daylilies or hostas, so the flower stalk rises up among the foliage. My neighbors have a thriving patch in Zone 5. The most cold-hardy lycoris, but Joanna's patch in Zone 3 blooms only every few years. Z5-9, 18-24". LSu. 10-12cm. **BACK!**

6622-A: 1 for $7.25 6622-B: 3 for $17.50
6622-C: 6 for $31.50 6622-D: 12 for $59.00





Muscari - Grape Hyacinth

Distinctive pyramidal spikes of fragrant long-lasting densely packed bells, like upside-down grape clusters. Makes attractive borders, edging, or brightly colored filler between other bulbs. They thrive and increase except in damp or shady areas. Divide when dormant in summer. Do not cut their autumn leaves or they will lose vigor.

M. armeniacum - Bright cobalt blue florets with subtle white rims; good for forcing, cutting, naturalizing and filling in the border. Fragrant. The most commonly grown grape hyacinth and a great counterpoint to red, yellow, white, salmon, peach.… Bloomed for us for three weeks in the cool spring of 2016. Z4-9, 6-8", MS. 7-8cm. ✦¢✦

6623-A: 10 for $2.50 *6623-B: 20 for $4.00*
6623-C: 50 for $9.25 *6623-D: 200 for $32.00*

M. botryoides 'Album' - Pearls of Spain

Sweetly perfumed pure white bells. Slender racemes show best when closely planted. Z3-8, 4-6", MS. 5cm/up.

6624-A: 10 for $5.25 *6624-B: 20 for $8.40*
6624-C: 50 for $19.25 *6624-D: 200 for $70.00*

M. latifolium - Tall, with a large dense bicolor flower; top third is deep sky-blue fading to lilac, the bottom is dark violet. Unusual single side leaf. The earliest of all Muscari, and our second-best-selling variety. Every year we enjoy these more. Z2-6, 8-12", ES-MS. 6cm/up.

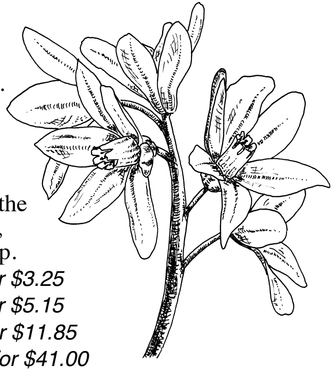
6625-A: 10 for $3.25 *6625-B: 20 for $5.15*
6625-C: 50 for $11.85 *6625-D: 200 for $41.00*

Muscari Bluezz Mix - A jazzy little quintet of blue and white. Contains *Muscari armeniacum*, *M. botryoides* 'Album' and *M. latifolium*; plus *M. azurem,* a bright azure blue, and a tricolor of pale blues, *M. a.* 'Peppermint'. Z4-6, 4-12", ES-MS. Topsize bulbs.

6626-A: 10 for $3.15 *6626-B: 20 for $5.00*
6626-C: 50 for $11.50 *6626-D: 200 for $40.00*

(see *Bellevalia* giant grape hyacinth, p. 36)

Puschkinia scilloides - Striped Squill



Compact racemes of white to pale blue flowers, each petal striped with darker blue. 4-10 open bells per stem. Plant in full sun or light shade as drifts, in borders, or under trees. Very hardy and easy to naturalize. For some it spreads slowly, others find it quickly forms colonies. Also called **Russian Snowdrop** and **Early Stardrift**. Native from the Caucasus to Lebanon, especially in grasslands near the snow line. Z3-8, 4-6", ES. 5cm/up.

6627-A: 10 for $3.25
6627-B: 20 for $5.15
6627-C: 50 for $11.85
6627-D: 200 for $41.00

Scilla siberica - Siberian Squill

Loose clusters of delicate pendent bells with a very long bloom time. Prefers cool places, in short grass, under shrubs, deciduous trees or even the shady side of a cedar hedge. May be the most shade-tolerant bulb but also performs well in sun if the soil's not too dry. Amazingly hardy and an excellent naturalizer. Z2-8, 6-8", ES.

Scilla siberica - Bright flax-blue bells. Very prolific, can form great drifts. Lightly scented. 7-8cm.

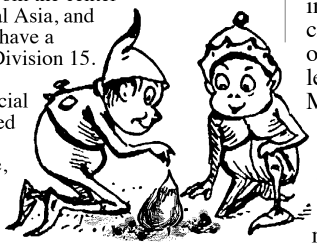
6628-A: 10 for $3.00 *6628-B: 20 for $4.80*
6628-C: 50 for $10.95 *6628-D: 200 for $38.00*

S. siberica 'Alba' - Pure white. The bees of early spring would love it if more gardeners would try this lovely white form of squill. 8cm/up.

6629-A: 10 for $4.40 *6629-B: 20 for $7.00*
6629-C: 50 for $16.00 *6629-D: 200 for $55.00*

Discounts on orders
received by
August 17, 2018:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

Species Tulips



The original wild tulips from the center of tulip diversity in central Asia, and their cultivars which still have a "wild" look, form Tulip Division 15. All our stock is nursery-propagated from commercial sources and is not collected in the wild. Once established with good drainage, these tend to perennialize or naturalize, unlike many of the big hybrid tulips. Not tall, showy or formal, they have their own halfling charms. Topsize bulbs vary in size according to species.

T. batalinii 'Bronze Charm' - Soft sulphur yellow becoming subtly flushed with apricot. Delicate 2" miniature has more classic cup-type tulip shape than other species tulips. Light fragrance. Wavy leaves with red margins lie close to the ground in a rosette. Z3-8, 4-6", MS-LS, 6cm/up.

6701-A: 5 for $2.75 *6701-B: 10 for $4.45*
6701-C: 25 for $10.30 *6701-D: 100 for $34.00*

T. clusiana - Lady Tulip - Pointed petals are white inside with a dusty crimson-pink exterior edged with white. Looks like candy when closed in the morning, in the evening and on cloudy days. Opens wide in the sunshine to show a big white star with a royal purple base. One or two flowers per bulb. A good perennializer if left undisturbed. Species native to the Himalayas. Z4-8, 8-12", MS, 5cm/up.

6702-A: 5 for $3.00 *6702-B: 10 for $4.80*
6702-C: 25 for $10.95 *6702-D: 100 for $38.00*

T. clusiana var. **chrysantha** - Tubergen's Gem Also called *T. chrysantha* - Rich golden yellow inside and out, accented with a large soft rose-crimson blush on the outer petals. Pointed petals open wide in the sunshine. Wavy-edged basal leaves, 1-3 flowers per bulb. Z4-8, 6-12", MS-LS. **NEW!**

6703-A: 5 for $2.75 *6703-B: 10 for $4.45*
6703-C: 25 for $10.30 *6703-D: 100 for $34.00*

T. humilis 'Persian Pearl' - Dusky magenta outside, lightly veined green. Inside deep violet-magenta with a bright yellow base. Opens wide in sun offering cheery color and sweet scent. Species native to mountains of Kurdistan. Z4-8, 4-8", ES-MS, 6cm/up.

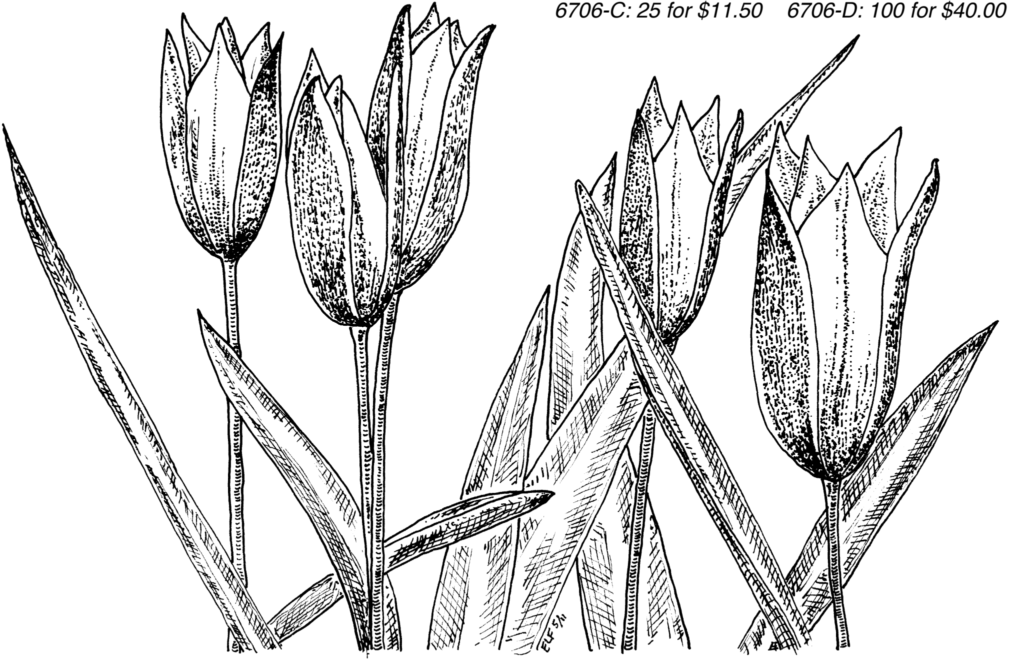
6704-A: 5 for $2.75 *6704-B: 10 for $4.45*
6704-C: 25 for $10.30 *6704-D: 100 for $35.00*

T. linifolia - Pointy fluorescent scarlet petals on a purple-black base. Petals open fully in sun, close at night. Red-edged very wavy grey-green basal leaves. Attracting attention since 1884. Z4-8, 6-8", MS-LS, 5cm/up. ✦¢✦

6705-A: 5 for $1.90 *6705-B: 10 for $3.00*
6705-C: 25 for $6.90 *6705-D: 100 for $22.00*

T. praestans 'Van Tubergen's Variety' - Like its cousin 'Fusilier', a brilliant scarlet-orange, with 2-3 flowers on each stem, and possibly several flowerstalks per bulb. Flowers open wide in the sun, 4-5" across. Unlike most species tulips, these flowers are as large as the early season hybrids, on short sturdy stems. Broad medium-green leaves. Z4-8, 8-14", ES-MS, 10-11cm. **NEW!**

6706-A: 5 for $3.15 *6706-B: 10 for $5.00*
6706-C: 25 for $11.50 *6706-D: 100 for $40.00*

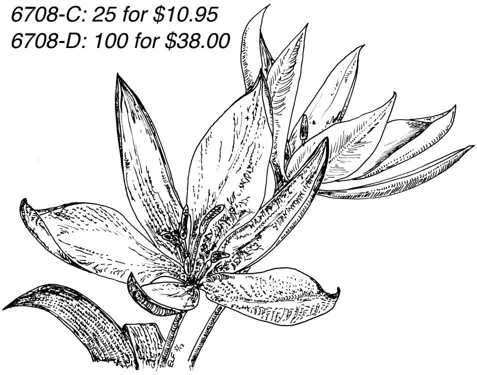


T. pulchella ‘Violacea’ - Cup-shaped flowers are magenta-cherry red inside and out. Deep purple-black base inside appears when flowers open wide in bright sun. Also called *Tulipa humilis* ‘Pulchella’ or *T. h.* ‘Violacea’. Z3-8, 4-6"; ES-MS. 5/cm up. **BACK!**

6707-A: 5 for $2.75 *6707-B: 10 for $4.45*
6707-C: 25 for $10.30 *6707-D: 100 for $34.00*

T. saxatilis - Pointed lilac-pink petals with a prominent yellow base. 1-3 flowers per stem, long bright-green shiny leaves. Very easy to grow, spreads by runners. Likes hot summers, doesn’t mind rocky ground or poor soil. Native to Crete. Z4-10, 6-8", LS, 5cm/up.

6708-A: 5 for $3.00 *6708-B: 10 for $4.80*
6708-C: 25 for $10.95
6708-D: 100 for $38.00

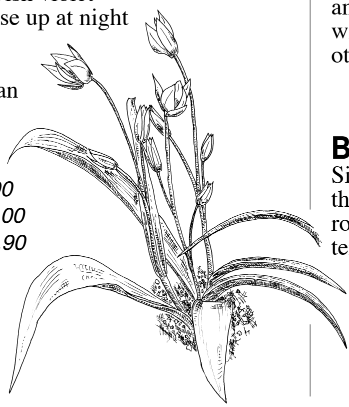


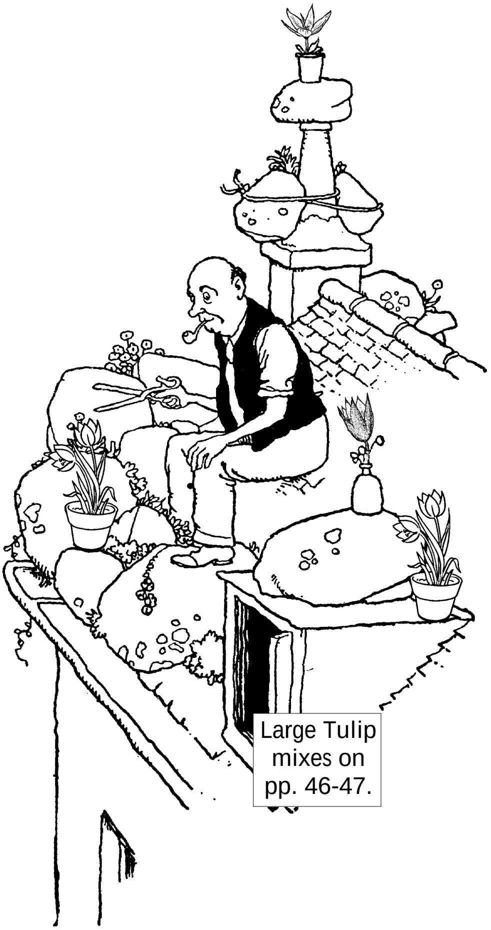
T. tarda - Star-shaped yellow flowers with white tips, outside white lightly flushed with dusky purple. Opens wide even on grey days. Very multifloral, 4-6 flowers per bulb. Rosette of wavy basal leaves. Very long-lived. One of the easiest to grow; spreads readily, even on the shady north side of the house. Also called *T. dasystemon*. Z3-8, 4-5", MS, 7-8cm.

6709-A: 5 for $2.20 *6709-B: 10 for $3.50*
6709-C: 25 for $8.00 *6709-D: 100 for $27.00*

T. turkestanica - One of the earliest tulips to bloom. Graceful pendent flowers, up to 5 per stem, sway along slender stems like wildflowers dancing in the breeze. White petals with yellow centers, flushed greyish violet outside. Flowers close up at night and on cloudy days. Very easy to grow. Native to eastern Tian Shan mountains. Z4-8, 6-8", ES-MS, 5cm/up. ✦¢✦

6710-A: 5 for $1.90
6710-B: 10 for $3.00
6710-C: 25 for $6.90
6710-D: 100 for $22.00





Large Tulip mixes on pp. 46-47.

Little Stars Rockgarden Mix

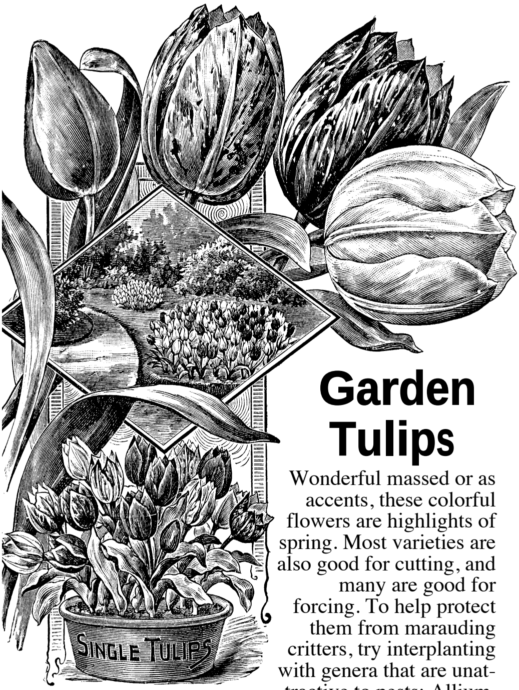
Cheerful star-shaped multifloral tulips whose low-growing spreading habits make them perfect for a rock garden. Contains a mix of *T. tarda*, *T. saxatilis*, *T. humilis* ‘Persian Pearl’, *T.* ‘Little Beauty’ (deep reddish-pink petals and a steel-blue center bordered with a lighter ring), and *T.* ‘Little Princess’ (burnt orange blushed with pink, a black center, edged yellow), and other little stars. Z4-8, 4-6", ES-LS, 6cm/up.

6711-A: 10 for $4.20 *6711-B: 20 for $6.75*
6711-C: 50 for $15.60 *6711-D: 200 for $54.00*

Botanical Tulip Collection

Six different species of tulips to ensure color throughout the spring and for years to come in rock gardens or “close-by” borders. Sixty bulbs; ten each of *T. batalinii* ‘Bronze Charm’, *T. humilis* ‘Persian Pearl’, *T. linifolia*, *T. saxatilis*, *T. tarda*, and *T. turkestanica*, individually packaged and labeled. Plants 5-6 sq. ft. Z4-8.

6712-A: 1 for $22.00 *6712-B: 2 for $40.00*



Garden Tulips

Wonderful massed or as accents, these colorful flowers are highlights of spring. Most varieties are also good for cutting, and many are good for forcing. To help protect them from marauding critters, try interplanting with genera that are unattractive to pests: Allium, Galanthus, Muscari, Narcissus, Scilla. All tulips in Divisions 1–14 grow in Zones 3-7. Topsize bulbs, 12cm/up, except where we specify Jumbo.

— Early Tulips —

'Apricot Beauty' - Soft apricot-pink petals tinged with rose and salmon with an uncommon light green base. Fragrant, truly lovely, good for forcing, and one of the world's best-selling tulips. 14-16", Div1.

6801-A: 5 for $5.25 *6801-B: 10 for $8.35*
6801-C: 25 for $19.25 *6801-D: 100 for $69.00*

'Purple Prince' - Deep bluish-purple with dusky lilac flames, reddish-purple inside. Large flowers with a scalloped edge. Complex color mixes well with others. 12-14", Div1. ✦¢✦

6802-A: 5 for $2.95 *6802-B: 10 for $4.70*
6802-C: 25 for $10.85 *6802-D: 100 for $38.00*

'Abba' - Stunning full ruffled Double Early with glowing current-red petals and slightly darker ribs. Contrasting yellow base and black stamens hidden inside. Short sturdy stems stand up to spring rainstorms. 10-12", Div2. **BACK!**

6803-A: 5 for $3.75 *6803-B: 10 for $6.00*
6803-C: 25 for $13.80 *6803-D: 100 for $49.00*

'Red Emperor' - Huge blooms of fiery red with enormously long petals on a black and yellow base. One of the all-time favorites; also known as '**Madame Lefebre**'. Fosteriana type is great with narcissus. 12-16", Div13.

6804-A: 5 for $3.90 *6804-B: 10 for $6.25*
6804-C: 25 for $14.40 *6804-D: 100 for $51.00*

— Mid-season Tulips —

'Brown Sugar' - Plum-red matte petals have caramel-apricot edges. A delicious standout, lightly fragrant. Pair its warm orangey sunset glow with oranges or purples for a wicked sweet combination. 20", Div3.

6805-A: 5 for $3.90 *6805-B: 10 for $6.25*
6805-C: 25 for $14.40 *6805-D: 100 for $51.00*

'Cape Town' - Alluring lemon-yellow petals with brushed red edges which start fine and broaden with time. Rounded tops sometimes have wavy edges. 15-17", Div3. **NEW!**

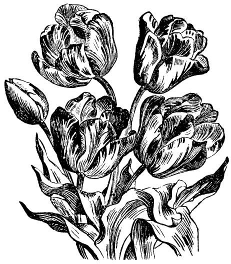
6806-A: 5 for $3.80 *6806-B: 10 for $6.15*
6806-C: 25 for $13.90 *6806-D: 100 for $50.00*

'Cassini' - Lightly fragrant deep crimson-red goblet-shaped flowers. Long-lasting in garden or vase. 16-20", Div3. **NEW!**

6807-A: 5 for $3.75 *6807-B: 10 for $6.00*
6807-C: 25 for $13.80 *6807-D: 100 for $49.00*

'Flaming Flag' - Enormous glistening white petals wave subtle purple blushes and sharp purple flames. Like a Rembrandt tulip; no two exactly the same. 16-18", Div3.

6808-A: 5 for $3.75
6808-B: 10 for $6.00
6808-C: 25 for $13.80
6808-D: 100 for $49.00



Tulip Divisions or Classes

Div1 Single Early Cup-shaped long-lasting flowers. The oldest class of cultivars. Good for forcing. ES.
Div2 Double Early Semi- to fully doubled ruffled flowers on short sturdy stems. ES.
Div3 Triumph Cup-shaped flowers in the largest palette of colors. The best class for forcing. Foliage dies back early; easily removed or overplanted. MS.
Div4 Darwin Hybrid Large long-blooming weather-resistant ovoid flowers on tall stems. MS-LS.
Div5 Single Late Cup- or goblet-shaped flowers, includes Mayflowering, Cottage, Breeder and Darwin tulips. Tall, in a wide range of colors. LS.
Div6 Lily-flowered Pointed reflexed petals and a slender "waist." Similar to the Ottoman tulips. LS.
Div7 Fringed A finely cut fringe on the petal edge. Also known as Crispa tulips. LS.
Div8 Viridiflora "Green Flower" tulips have a broad green flame up the outside of the petals. LS.
Div9 Rembrandt Broken colors; modern cultivars all belong to another class based on other characteristics.
Div10 Parrot Feathered, curled, twisted petal edges. The bud is said to resemble a parrot's beak. MS-LS.
Div11 Double Late Fully doubled ruffled flowers, commonly called Peony tulips. LS.
Div12 Kaufmanniana Low-growing, wide opening; perennialize well. Also called Waterlily tulips. VE-ES.
Div13 Fosteriana Large single flowers with long petals in rich vivid colors. Reasonably long-lived, good for forcing. Also called Emperor tulips. ES.
Div14 Greigii Large blooms, short stems; perennialize well. Foliage is streaked or mottled burgundy. ES.
Div15 Species Wild types and their cultivars.

'Helmar' - Bold ruby-red flames on golden-yellow petals, both inside and out. A striking show in mid spring. 16-18", Div3. **NEW!**

6809-A: 5 for $4.10 6809-B: 10 for $6.55
6809-C: 25 for $15.15 6809-D: 100 for $55.00

'Passionale' - Purple with lilac-purple blush and deeper purple flames, beetroot interior with a yellow base. 14-16", Div3.

6810-A: 5 for $3.75 6810-B: 10 for $6.00
6810-C: 25 for $13.80 6810-D: 100 for $49.00

'Paul Scherer' - The darkest Triumph tulip. Purple-black with a straight-sided shape. Earlier than 'Queen of Night' but a very similar color. Contrasts wonderfully with any color of tulip, whether your garden plan is classic or goth. 16-18", Div3.

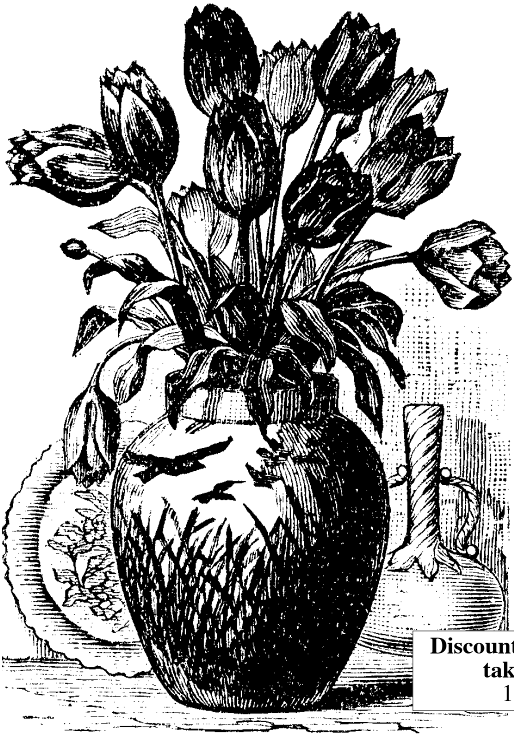
6811-A: 5 for $4.25 6811-B: 10 for $6.80
6811-C: 25 for $15.65 6811-D: 100 for $57.00

'Prinses Irene' - Wonderfully complex rich salmony-apricot-orange petals are finely etched with a plum-violet flame. Fragrant. Popular for forcing. 12-14", Div3.

6812-A: 5 for $4.25 6812-B: 10 for $6.80
6812-C: 25 for $15.65 6812-D: 100 for $56.00

'Shirley' - Delicate marble-ivory with a fine purple edge that slowly widens into a broad lavender blush. Shows an evolving look each day. 18-20", Div3.

6813-A: 5 for $4.70 6813-B: 10 for $7.50
6813-C: 25 for $17.25 6813-D: 100 for $63.00



Darwin Hybrids

Often sold as "Perennial Tulips" because this class reliably produces flowers for years longer than many other tall tulips. Large to very large flowers, weather resistant and long blooming. Div4.

'Banja Luka' - Golden-yellow petals with broad red edges lightly feathered with gold. Petals are red on the inside, brushed with yellow, turning the outside bronzy when the sun shines through. 20-22". Jumbo bulbs, 14cm/up. **BACK!**

6814-A: 5 for $4.00 6814-B: 10 for $6.40
6814-C: 25 for $14.75 6814-D: 100 for $52.00

'Daydream' - Opens yellow, matures to rich apricot, with washes and blushes of yellow and rose. Fragrant. Stunning, says Gene. It's one of my every-year favorites. 20-28".

6815-A: 5 for $3.90 6815-B: 10 for $6.25
6815-C: 25 for $14.40 6815-D: 100 for $51.00

'Golden Oxford' - Big bold golden-yellow flowers, often touched with a fine red rim. Pair it with 'Oxford' for a quintessential combination.

6816-A: 5 for $2.90 6816-B: 10 for $4.65
6816-C: 25 for $10.70 6816-D: 100 for $38.00

'Gudoshnik' - Creamy yellow with varying amounts of red streaks, dapples and flames, becoming more saturated as each flower matures. No two are alike; one of Gene's favorites and he has the artist's eye. Impressive en masse or solo up close in the vase. 20-28".

6817-A: 5 for $4.10 6817-B: 10 for $6.55
6817-C: 25 for $15.15 6817-D: 100 for $55.00

'Ollioules' - Pinky cream flowers are heavily brushed with silvery pink and lavender. Edges mature to a silvery white. Wonderfully elegant. Ollioules (*ole-yule*) is a town at the center of the French flower industry. 20-28".

6818-A: 5 for $4.50 6818-B: 10 for $7.25
6818-C: 25 for $16.70 6818-D: 100 for $61.00

'Oxford' - Bright scarlet blooms with a purple-red blush on the outside. Rich mustard-yellow base inside is brilliantly contrasted by the black stamens. 20-28". ✦¢✦

6819-A: 5 for $2.80 6819-B: 10 for $4.50
6819-C: 25 for $10.35 6819-D: 100 for $37.00

'Pink Impression' - Deep rose exterior with deep pink veins, light pink flames, and delicate pink edges; inside light pink and pale rose. Impressive, handsome tulip is taller and larger than most, with lots of subtle gradations. 24-32". Jumbo bulbs, 14cm/up.

6820-A: 5 for $4.25 6820-B: 10 for $6.80
6820-C: 25 for $15.65 6820-D: 100 for $57.00

See Darwin Hybrid Mix on p. 47.

Discounts on orders received by August 17, 2018:
take 5% off at $100, 10% off at $300,
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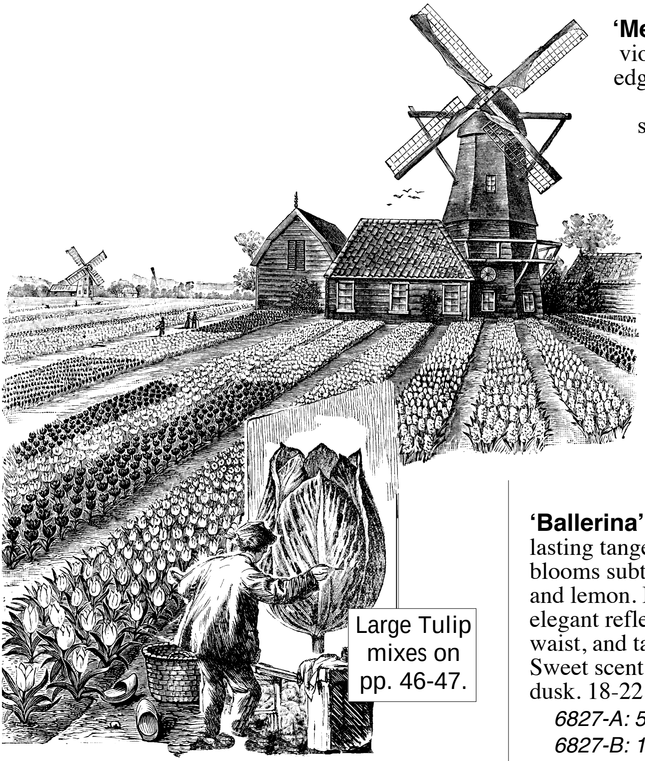


Large Tulip mixes on pp. 46-47.

— Late Tulips —

‘Big Smile’ - Large bright lemon-yellow flowers with soft creamy-yellow edges. Long stems stand tall in the garden and vase. 20-24", Div5. **NEW!**

6821-A: 5 for $4.25 *6821-B: 10 for $6.80*
6821-C: 25 for $15.65 *6821-D: 100 for $56.00*

‘Cum Laude’ - About as close to blue as you’re going to get in a tulip. Large flowers of campanula-violet with a slight wave at the edges. Marble-white base. 20-24", Div5.

6822-A: 5 for $4.40 *6822-B: 10 for $7.00*
6822-C: 25 for $16.15 *6822-D: 100 for $59.00*

‘Kingsblood’ - Dark cherry-red with scarlet edges. One of the best reds: large and long lasting with sturdy stems. 20-24", Div5.

6823-A: 5 for $3.90 *6823-B: 10 for $6.25*
6823-C: 25 for $14.40 *6823-D: 100 for $51.00*

‘Maureen’ - Long marble-white blooms with pastel yellow undertones are stunning each year standing tall over our bed of forget-me-nots. Important variety in the cutflower trade. 24-28", Div5.

6824-A: 5 for $5.25 *6824-B: 10 for $8.35*
6824-C: 25 for $19.25 *6824-D: 100 for $69.00*

All Garden Tulips we offer are Topsize (12cm/up) or Jumbo (14cm/up) bulbs. See p. 42 for Tulip Division descriptions.

‘Menton’ - A medium pink with hints of violet and a subtle but distinctive apricot edge. Salmon on the inside with a yellow base. A sport of ‘Renown’ and a tall-standing stunner at 24-28", Div5. ✦¢✦

6825-A: 5 for $4.25
6825-B: 10 for $6.80
6825-C: 25 for $15.65
6825-D: 100 for $56.00

‘Queen of Night’ - Called black, but really deep dark velvety purple-maroon with a hint of concord grape. For decades now, the standard “black” in the Single Late group. 26-30", Div5.

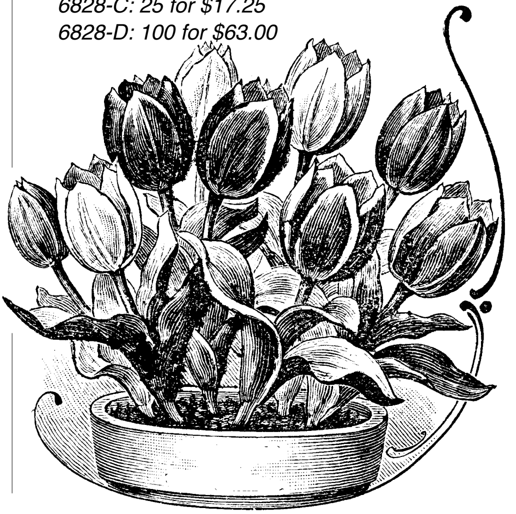
6826-A: 5 for $3.10
6826-B: 10 for $5.00
6826-C: 25 for $11.50
6826-D: 100 for $41.00

‘Ballerina’ - Shimmering long-lasting tangerine Lily-flowered blooms subtly tinged with crimson and lemon. Incredibly lovely, with elegant reflexed petals, a slender waist, and tall thin sturdy stems. Sweet scent perks up around dusk. 18-22", Div6.

6827-A: 5 for $4.25
6827-B: 10 for $6.80
6827-C: 25 for $15.65
6827-D: 100 for $56.00

‘Très Chic’ - Elegant Lily-flowering blooms open creamy, turn pure white with hints of green at flower base. Petals are slightly pointier and a cleaner, less-yellow white than those of ‘White Triumphator’. Shorter stature helps it to withstand strong spring winds. 16-18", Div6.

6828-A: 5 for $4.70 *6828-B: 10 for $7.50*
6828-C: 25 for $17.25
6828-D: 100 for $63.00



Planting Tulips for Longevity

Some gardeners treat tulips like annuals, removed and replaced yearly. Some others feed the greens in spring, dig the bulbs in early summer after the foliage has browned, ripen the bulbs in a cool dry place, and then replant in fall—a time-consuming process that increases the probability of blooms the next year.

You can take simpler steps to encourage your tulips to come back. Choose a sunny location and plant the bulbs 8-10" deep (yes, that deep!) in well-drained soil, 3-4 weeks before the ground freezes.

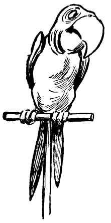
During spring growth, check the soil weekly if there is little rain, and water if $^1/_2$" below the surface is dry. Deadhead to force the plant's energy into the bulb. Don't cut or tie the foliage until it has begun to yellow. Overplant with annuals or perennials to help keep the soil dry down where the bulb is.

'Esperanto' - Red petals with flaming green midribs that appear almost chocolate in bright light. Leaves edged white. Long-lasting cutflower is especially rewarding for its complexity and dramatic color when studied up close. If only the language made to bring people together had the success of this outstanding vivid Viridiflora. 12-14", Div8.

6829-A: 5 for $5.00 *6829-B: 10 for $8.00*
6829-C: 25 for $18.40 *6829-D: 100 for $76.00*

'Virichic' - Very chic, indeed; *très belle et très bonne*. Pink petals with a broad midrib flame of lime green. Translucent petals can appear soft pink on overcast days, and approach hot pink on a sunny day. Viridiflora tulip is long lasting in garden or bouquet. 18-22", Div8.

6830-A: 5 for $5.00 *6830-B: 10 for $8.00*
6830-C: 25 for $18.40 *6830-D: 100 for $76.00*



'Rococo' - Carmine-red Parrot tulip with ruffled petal borders. Central ribs warmly splashed in shades of green and plum. Very showy. Bred from 'Coleur Cardinal' and quite sumptious to behold. Large blooms need room and wind protection. Wonderful cutflowers that really fill up the vase. 12-14", Div10.

6831-A: 5 for $4.50
6831-B: 10 for $7.25
6831-C: 25 for $16.70
6831-D: 100 for $61.00

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'Angelique' - Shades of pastel pink and pale rose with lighter edges predominate this Double Late. This well-known fragrant and delicate-looking-but-sturdy beauty is our best-selling peony-flowered tulip. Good for forcing as well. 14-18", Div11.

6832-A: 5 for $4.50 *6832-B: 10 for $7.25*
6832-C: 25 for $16.70 *6832-D: 100 for $60.00*

'Miranda' - Full bright red Double Late, with hints of yellow deep inside the center, and green hints outside at the base. The name Miranda means 'worthy of admiration' and here we surely agree. 18-22". Div 11.

6833-A: 5 for $4.20 *6833-B: 10 for $6.60*
6833-C: 25 for $15.25 *6833-D: 100 for $53.00*

'Mount Tacoma' - Pure white. One of the fullest Double Lates and a great complement to just about anything, whether in beds, borders, vases, or sconces on the wall. 14-18", Div11.

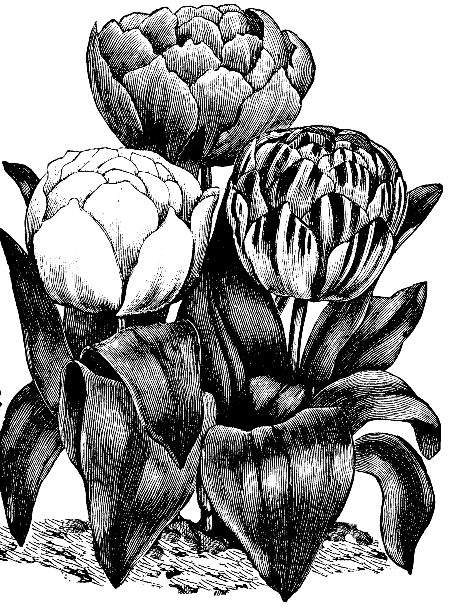
6834-A: 5 for $4.40 *6834-B: 10 for $7.00*
6834-C: 25 for $16.15 *6834-D: 100 for $58.00*

'Purple Peony' - Saturated royal purple all the way through all petals inside and out. You'll not find any (real) peonies in this color. Rich full Double Late beautifully sets off other colors in either garden or vase. 16-18", Div11. ✦¢✦

6835-A: 5 for $3.90 *6835-B: 10 for $6.25*
6835-C: 25 for $14.40 *6835-D: 100 for $51.00*

'Sunlover' - Magnificent fully doubled blooms start out golden-yellow with red highlights. The red markings increase until this Double Late begins to glow orange and even orange-red. Lights up the garden, looks great in a vase, and fragrant too. 16-18", LS. **BACK!**

6836-A: 5 for $4.25 *6836-B: 10 for $6.80*
6836-C: 25 for $15.65 *6836-D: 100 for $56.00*



Tulip Mixes

All mixes contain Topsize bulbs, 12cm/up.

Color Parade - A multi-colored mix of relatively short Kaufmanniana and Greigii tulips. Large bright flowers open wide in the sun, and perennialize well. Pink, red and yellow, both solids and bicolors, singles and multiflorals, many with burgundy-streaked foliage. Reliable and exuberant color, early in the season. 8-12", ES-MS, Divs12&14.

6851-A: 10 for $7.50　*6851-B: 20 for $12.00*
6851-C: 50 for $27.60　*6851-D: 100 for $54.00*

Double Early Mix - A sassy group for the front row of your garden beds and borders. Fully double flowers in bright colors atop relatively short sturdy stems which stand up well in heavy spring rains—and even an early May snow! 10-14", ES-MS, Div2. ✦¢✦

6852-A: 10 for $8.00　*6852-B: 20 for $12.75*
6852-C: 50 for $29.35　*6852-D: 100 for $52.00*

Emperor Mix - A royal mix of big-flowered Fosterianas for bold early color. Red, yellow, orange and more. We planted some outside the Fedco Trees warehouse, and for years this mix has garnered rave reviews in late April. 12-16", ES, Div13.

6853-A: 10 for $8.00　*6853-B: 20 for $12.75*
6853-C: 50 for $29.35　*6853-D: 100 for $51.00*

Non-Stop Reds - Celebrate spring with a long-lasting patch of bright red color. A blend of five or more varieties selected from early, mid and late tulips. Keep that spring fire burning for over a month, come rain or come shine. 12-24".

6854-A: 10 for $8.00　*6854-B: 20 for $12.75*
6854-C: 50 for $29.35　*6854-D: 100 for $51.00*

Burgundy Gold - I thought about calling this mid-season Triumph mix "Strong Ron" since 'Strong Gold' and 'Ronaldo' are two of the ingredients. A fascinating mix of lemon yellow and burnished gold with sultry maroon, burgundy and deep wine red. Solids and bicolors with flames or edges in the same sumptuous rich colors. 16-22", MS, Div3. **NEW!**

6855-A: 10 for $8.50　*6855-B: 20 for $13.60*
6855-C: 50 for $31.30　*6855-D: 100 for $57.00*

Pastel Triumph Mix - Soft but not wishy-washy, just easy on the eyes. Pale peach, soft pink, lavender, and more. This tranquil blend displays quiet beauty in the neighborhood. 18-20", MS, Div3.

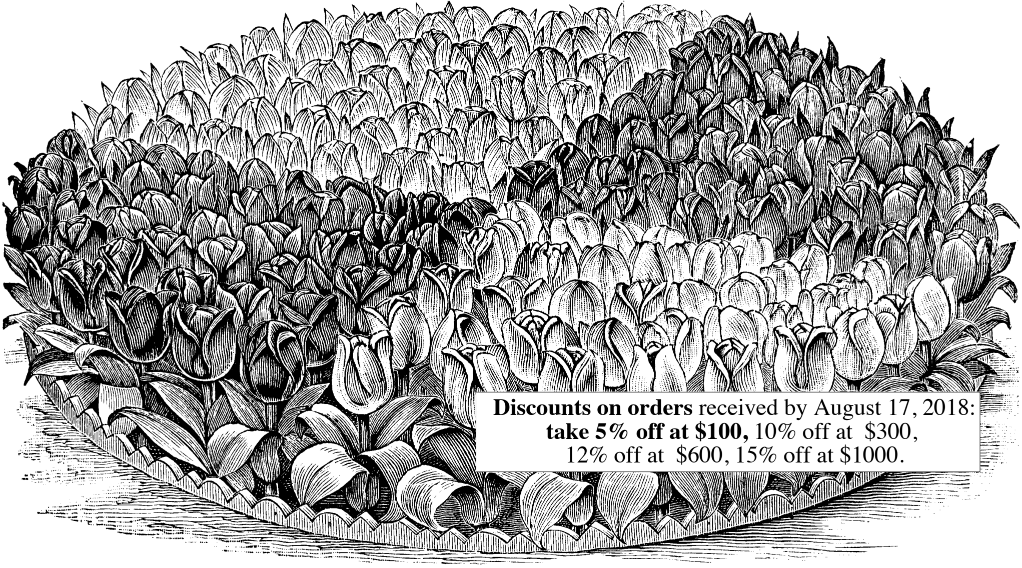
6856-A: 10 for $6.25　*6856-B: 20 for $10.00*
6856-C: 50 for $23.00　*6856-D: 100 for $41.00*

Purple Rain - Nothing Compares to U, so put on your Raspberry Beret and Let's Go Crazy. Inspired by the memory of the indescribable Prince, this mix of Triumphs in deep purple, mid-violet, raspberry, pearl, candy pink, and white with purple streaks or blushes may make you Delirious. Plant this mid-season mix so U Got the Look. 18-20", MS, Div3.

6857-A: 10 for $6.80　*6857-B: 20 for $10.90*
6857-C: 50 for $25.25　*6857-D: 100 for $43.00*

Shock the Neighbors - Our vibrant purple and orange combination will raise eyebrows among your neighbors who plant only red and yellow tulips. Huge 'Orange Emperor' and purple-flamed 'Purple Prince' are followed by 'Prinses Irene', a rich salmon with violet flames. Overplant with 'Jolly Joker' or 'Polly Peach' pansies for maximum effect. Our own formula mix. 14-18", ES-MS.

6858-A: 10 for $7.40　*6858-B: 20 for $11.90*
6858-C: 50 for $27.40　*6858-D: 100 for $51.00*



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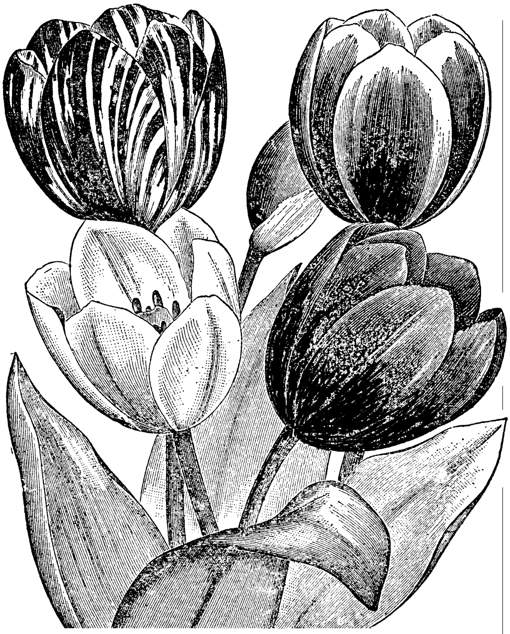

Darwin Hybrid mix - A mix of yellow, red, apricot, white, pink and more. Long-lived bulbs produce large flowers for a perfect long-lasting bouquet. 20-28", MS-LS, Div4.

Darwin Hybrid mix, Jumbo bulbs, 14cm/up.

6859-A: 5 for $5.00 *6859-B: 10 for $8.00*
6859-C: 25 for $18.40 *6859-D: 100 for $59.00*

Darwin Hybrid mix, Topsize, 12cm/up. ✦¢✦

6860-A: 10 for $5.90 *6860-B: 20 for $9.40*
6860-C: 50 for $21.70 *6860-D: 100 for $38.00*

Princess Family - All the members of this family have the rich plum-violet rib flames and feathering of their parent, 'Coleur Cardinal', a deep crimson Triumph. Also includes 'Prinses Irene', a delicious salmon-orange Triumph; 'Orange Princess', a nasturtium-orange Double Late; and 'Rococo', a rich red Parrot, all with plum flames and feathers. Diana is particularly fond of this mix and describes it as rich, voluptuous and earthy. 12-14", MS-LS.

6861-A: 10 for $8.25 *6861-B: 20 for $13.25*
6861-C: 50 for $30.50 *6861-D: 100 for $57.00*

Rembrandt-type Flaming Mix - Broken-color and flamed tulips, originally the result of a virus, were wildly popular in the early 1600s. Propagating infected plants is now stringently restricted in Holland, but breeders have created virus-free varieties closely resembling those depicted in paintings by the Dutch masters. A mix of white, cream and yellow Single Late varieties, broken and flamed with shades of red and purple. 18-28", LS, Div5.

6862-A: 10 for $7.40 *6862-B: 20 for $11.90*
6862-C: 50 for $27.40 *6862-D: 100 for $51.00*

Flash of Green - A mix of four or more Viridiflora tulips, colors of china pink, scarlet red, lemon yellow and marble white, all with a distinctive green flare overlaid on the outer petals. Sturdy stems support this long-lived, long-blooming group. Fabulous for cutting. 18-22", LS, Div 8.

6863-A: 10 for $8.75 *6863-B: 20 for $14.25*
6863-C: 50 for $32.40 *6863-D: 100 for $60.00*

Lily-Flowering Mix - High-waisted elegant flowers with pointed and lightly reflexed petals. Warm tones of red, orange, yellow, pink, and purple, for an eye-catching effect in garden or vase. 18-24", LS, Div6.

6864-A: 10 for $8.00 *6864-B: 20 for $12.75*
6864-C: 50 for $29.35 *6864-D: 100 for $51.00*

Parrot Mix - Riotous mix of colors that could match the squawk of the flock on Telegraph Hill. Red, white, yellow, magenta, pink, deep rose, and flames of green. Solids and bicolors in the flamboyant Parrot form. Large heavy blooms need protection from strong winds. 18-22", LS, Div10.

6865-A: 10 for $8.75 *6865-B: 20 for $14.25*
6865-C: 50 for $32.40 *6865-D: 100 for $60.00*

Double Late "Peony" Mix - Pack peony-style petal power in a dramatic range of colors, from white and pastels to red and purple. Double Late tulips in solids, bicolors, blushes, brushes and flames for your cutting garden and vase. 6-8 varieties. Plant some Double Early Mix as well for a doubly full season of tulips. 14-18", LS, Div11.

6866-A: 10 for $8.25 *6866-B: 20 for $13.25*
6866-C: 50 for $30.50 *6866-D: 100 for $57.00*

If you cut tulips in bud for an arrangement, be aware the stems may grow another inch or more by the time the flower fully opens.

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